

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011219.D
 Acq On : 11 Jul 2019 10:25
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 12 08:29:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136383	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.88	113	110365	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.32	98	459312	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	162141	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85062	48.881	ug/l	96
3) Chloromethane	2.21	50	108735	48.492	ug/l	97
4) Vinyl Chloride	2.35	62	144007	49.067	ug/l	96
5) Bromomethane	2.77	94	73606	49.910	ug/l	96
6) Chloroethane	2.92	64	81145	51.332	ug/l	94
7) Trichlorofluoromethane	3.25	101	56798	54.476	ug/l	97
8) Diethyl Ether	3.67	74	69377	48.091	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	126395	50.611	ug/l	100
10) Methyl Iodide	4.27	142	173639	50.552	ug/l	99
11) Tert butyl alcohol	5.16	59	43658	201.127	ug/l	100
12) 1,1-Dichloroethene	4.03	96	131188	50.611	ug/l	97
13) Acrolein	3.89	56	59138	342.138	ug/l	98
14) Allyl chloride	4.66	41	256637	54.295	ug/l	99
15) Acrylonitrile	5.35	53	165526	225.293	ug/l	99
16) Acetone	4.11	43	201135	285.119	ug/l	99
17) Carbon Disulfide	4.38	76	391593	49.832	ug/l	100
18) Methyl Acetate	4.66	43	77258	38.177	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	184414	46.889	ug/l	100
20) Methylene Chloride	4.92	84	136769	49.146	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	138692	51.493	ug/l	98
22) Diisopropyl ether	6.31	45	511403	50.304	ug/l	96
23) Vinyl Acetate	6.24	43	1599383	254.207	ug/l	99
24) 1,1-Dichloroethane	6.21	63	270811	50.728	ug/l	98
25) 2-Butanone	7.17	43	256394	231.536	ug/l	97
26) 2,2-Dichloropropane	7.16	77	144290	51.996	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	147065	50.618	ug/l	100
28) Bromochloromethane	7.51	49	113586	46.793	ug/l #	99
29) Tetrahydrofuran	7.52	42	157221	216.526	ug/l	100
30) Chloroform	7.67	83	246058	49.769	ug/l	98
31) Cyclohexane	7.95	56	280749	49.433	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	191704	50.974	ug/l	99
36) 1,1-Dichloropropene	8.07	75	213514	53.135	ug/l	100
37) Ethyl Acetate	7.24	43	110432	45.741	ug/l	99
38) Carbon Tetrachloride	8.06	117	180448	52.973	ug/l	96

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 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	261394	53.670	ug/l	99
40) Benzene	8.32	78	576684	51.930	ug/l	100
41) Methacrylonitrile	7.48	41	62869	45.530	ug/l	95
42) 1,2-Dichloroethane	8.40	62	175159	48.623	ug/l	100
43) Isopropyl Acetate	8.42	43	207363	45.493	ug/l	99
44) Trichloroethene	9.09	130	139657	52.260	ug/l	98
45) 1,2-Dichloropropane	9.37	63	152089	50.575	ug/l	100
46) Dibromomethane	9.46	93	67752	47.961	ug/l	99
47) Bromodichloromethane	9.64	83	182351	50.450	ug/l	99
48) Methyl methacrylate	9.43	41	107852	49.182	ug/l	96
49) 1,4-Dioxane	9.45	88	21150	896.971	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	535633	224.955	ug/l	100
52) Toluene	10.38	92	352496	52.327	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190507	49.516	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	232010	51.233	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96267	48.036	ug/l	98
56) Ethyl methacrylate	10.65	69	145415	47.660	ug/l	99
57) 1,3-Dichloropropane	10.93	76	184238	48.616	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	316777	223.950	ug/l	99
59) 2-Hexanone	10.97	43	391489	237.083	ug/l	100
60) Dibromochloromethane	11.13	129	108139	49.208	ug/l	99
61) 1,2-Dibromoethane	11.23	107	90662	47.760	ug/l	99
64) Tetrachloroethene	10.86	164	114140	51.373	ug/l	98
65) Chlorobenzene	11.66	112	349931	52.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121805	51.677	ug/l	99
67) Ethyl Benzene	11.73	91	685707	53.507	ug/l	99
68) m/p-Xylenes	11.84	106	496876	107.153	ug/l	100
69) o-Xylene	12.16	106	229634	52.541	ug/l	99
70) Styrene	12.18	104	401238	53.195	ug/l	100
71) Bromoform	12.35	173	58257	46.486	ug/l #	97
73) Isopropylbenzene	12.46	105	647757	54.904	ug/l	99
74) N-amyl acetate	12.27	43	196393	47.796	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113312	46.853	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150907	82.739	ug/l #	100
77) Bromobenzene	12.75	156	139265	52.598	ug/l	96
78) n-propylbenzene	12.80	91	805149	55.399	ug/l	100
79) 2-Chlorotoluene	12.89	91	452097	54.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	545889	54.463	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36235	44.935	ug/l	96
82) 4-Chlorotoluene	12.99	91	464837	53.362	ug/l	100
83) tert-Butylbenzene	13.21	119	463679	55.469	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	546805	54.331	ug/l	99
85) sec-Butylbenzene	13.38	105	662130	54.894	ug/l	100
86) p-Isopropyltoluene	13.50	119	600327	55.491	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	272433	53.479	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	267622	52.171	ug/l	99
89) n-Butylbenzene	13.82	91	610480	56.566	ug/l	99
90) Hexachloroethane	14.10	117	105599	53.416	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	237577	51.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19178	44.707	ug/l	98

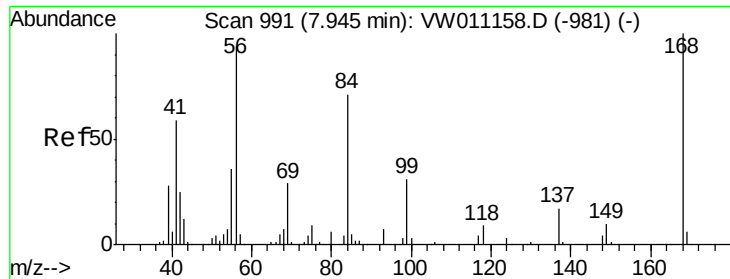
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	172576	54.215	ug/l	100
94) Hexachlorobutadiene	15.24	225	108735	55.640	ug/l	99
95) Naphthalene	15.37	128	311688	51.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	150264	53.488	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

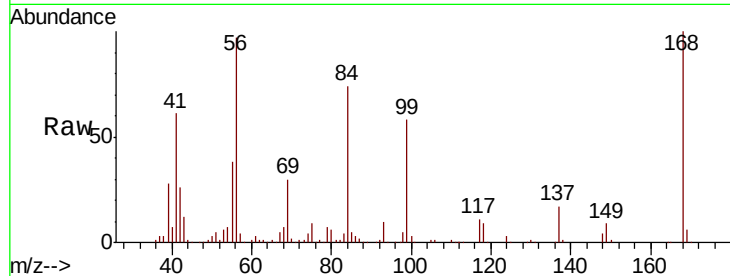
VSTDCCC050

Tot Ion:168 Resp: 233330

Ion Ratio Lower Upper

168 100

99 58.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

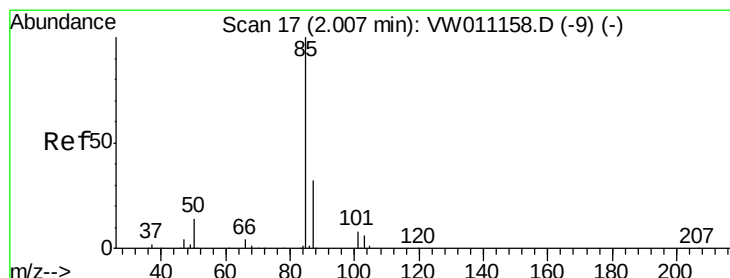
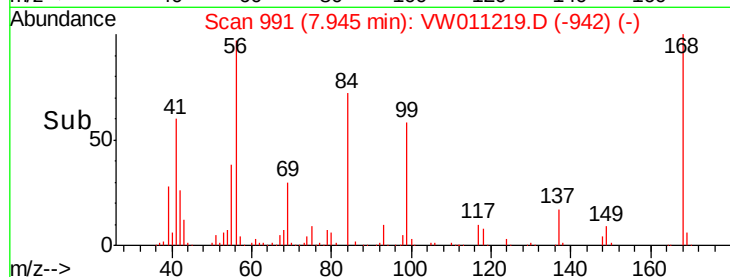
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 48.881 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011219.D

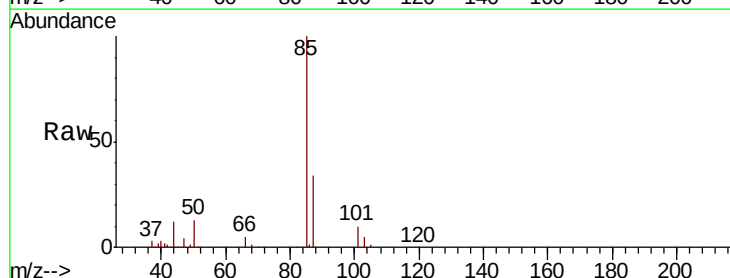
Acq: 11 Jul 2019 10:25

Tgt Ion: 85 Resp: 85062

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

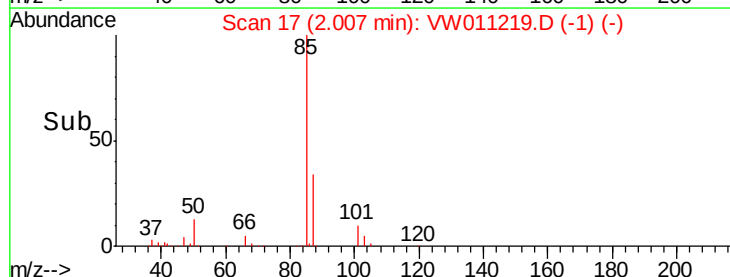
30000

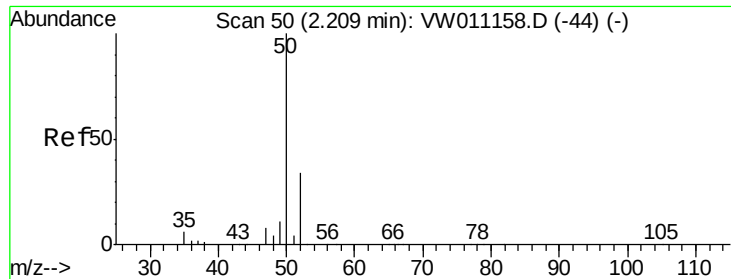
20000

10000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 48.492 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

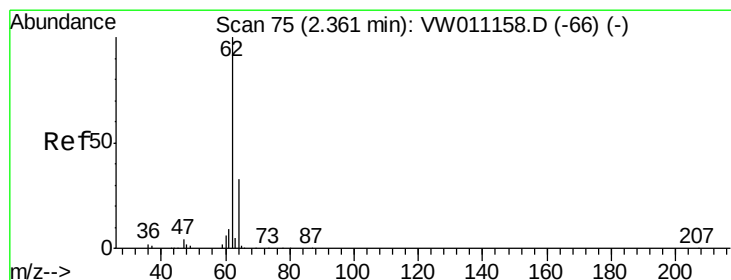
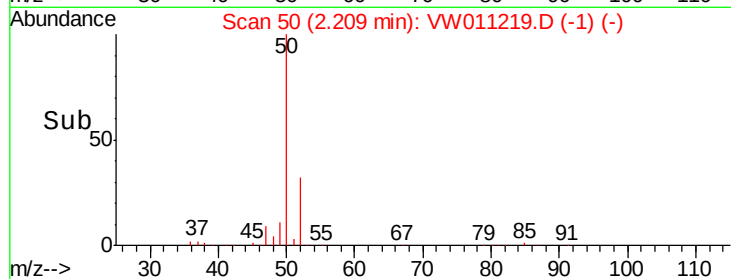
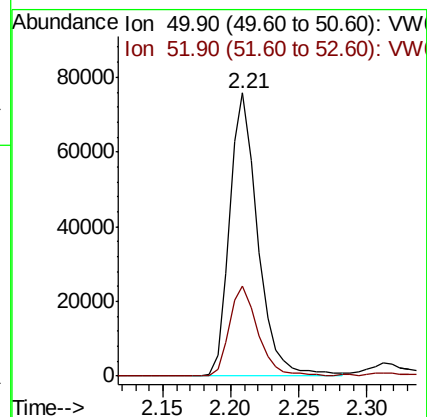
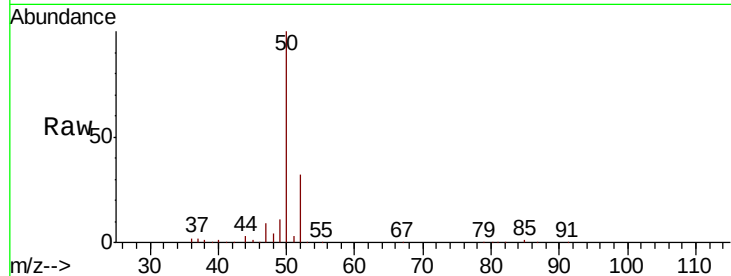
VSTDCCC050

Tot Ion: 50 Resp: 108735

Ion Ratio Lower Upper

50 100

52 32.1 26.9 40.3



#4

Vinyl Chloride

Concen: 49.067 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011219.D

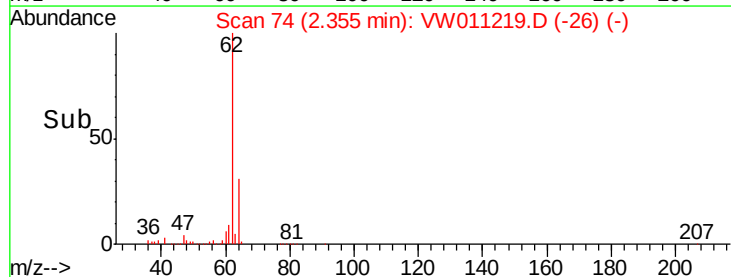
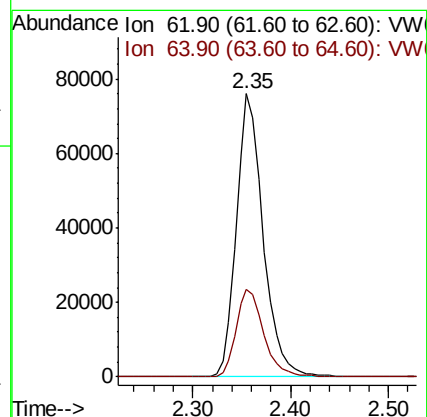
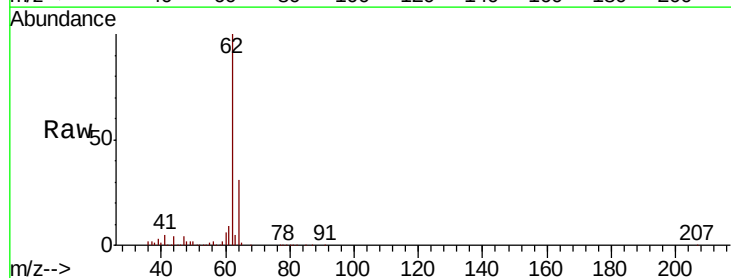
Acq: 11 Jul 2019 10:25

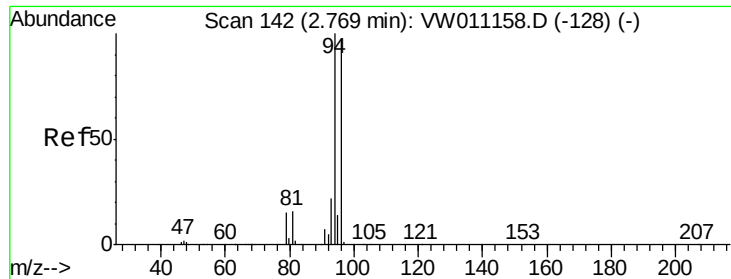
Tgt Ion: 62 Resp: 144007

Ion Ratio Lower Upper

62 100

64 31.0 26.6 40.0





#5

Bromomethane

Concen: 49.910 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

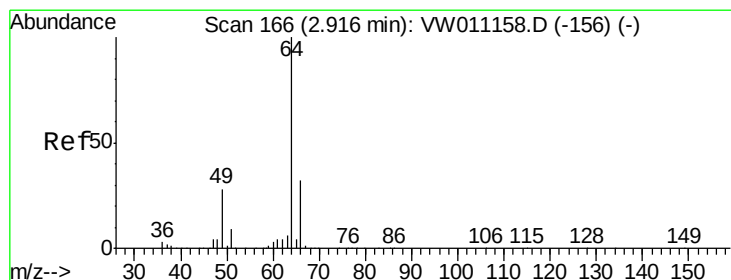
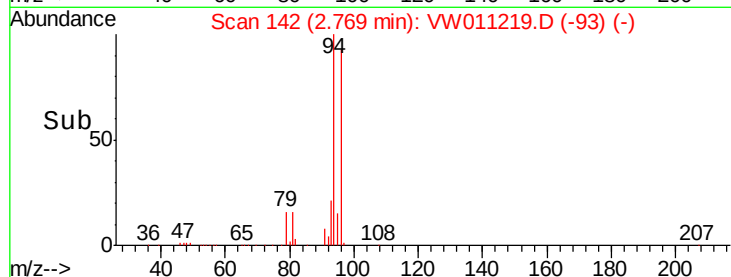
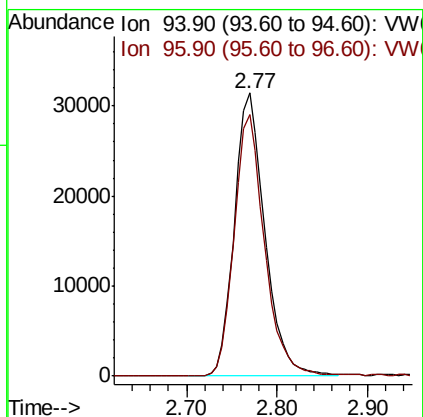
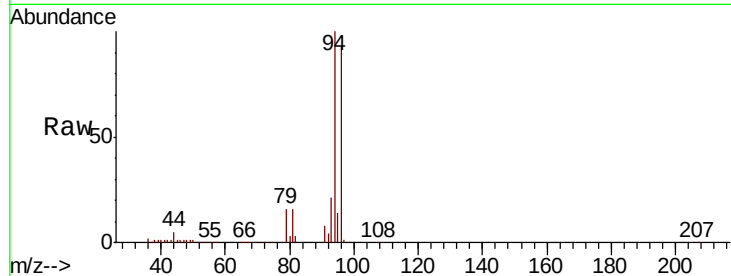
VSTDCCC050

Tot Ion: 94 Resp: 73606

Ion Ratio Lower Upper

94 100

96 92.6 77.4 116.0



#6

Chloroethane

Concen: 51.332 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011219.D

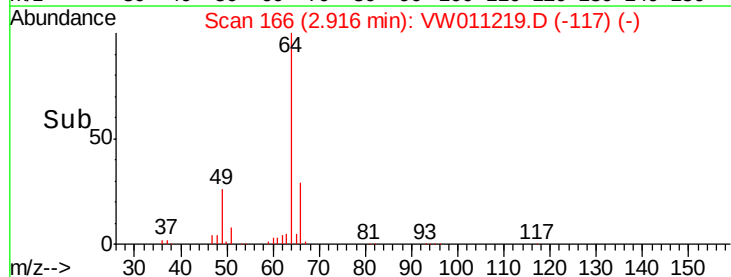
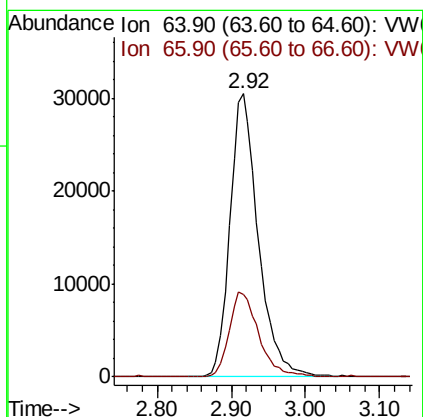
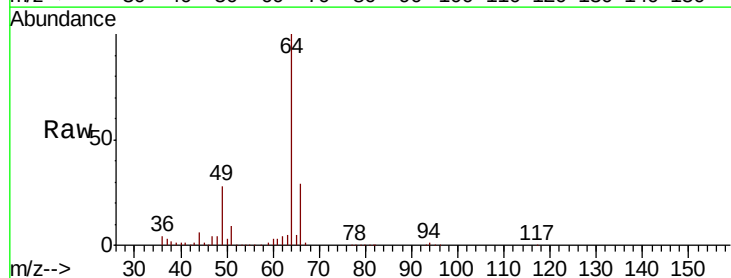
Acq: 11 Jul 2019 10:25

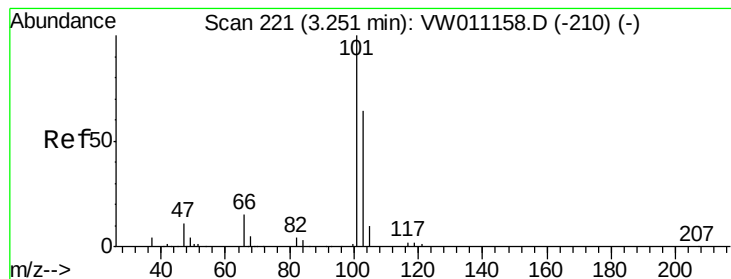
Tgt Ion: 64 Resp: 81145

Ion Ratio Lower Upper

64 100

66 29.1 25.8 38.8



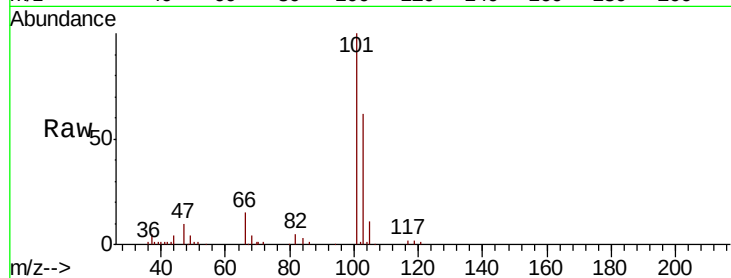


#7

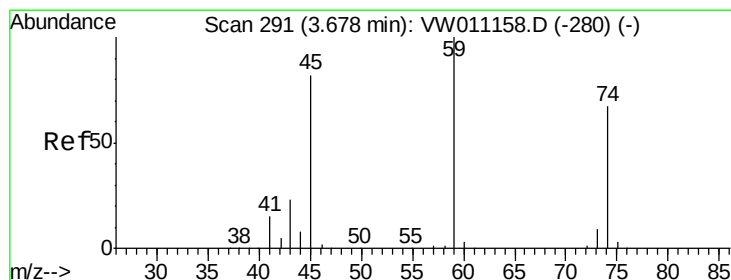
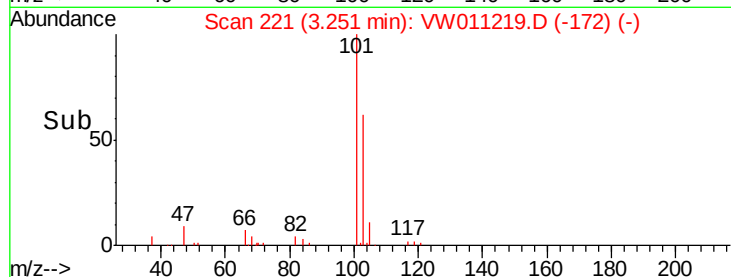
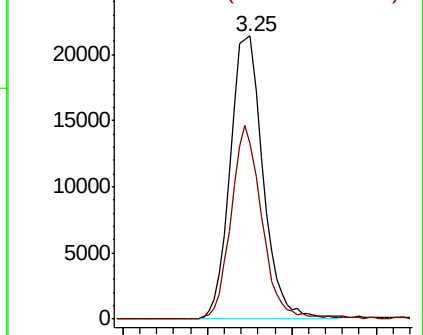
Trichlorofluoromethane
 Concen: 54.476 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 56798
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.3 76.9



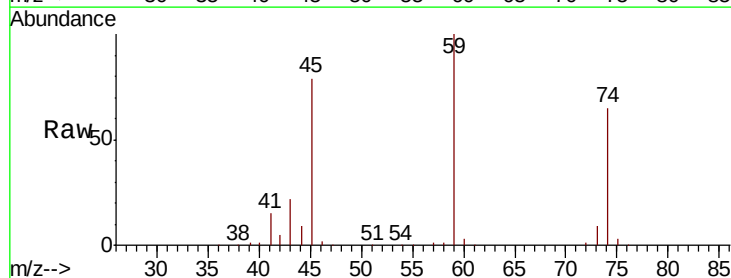
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



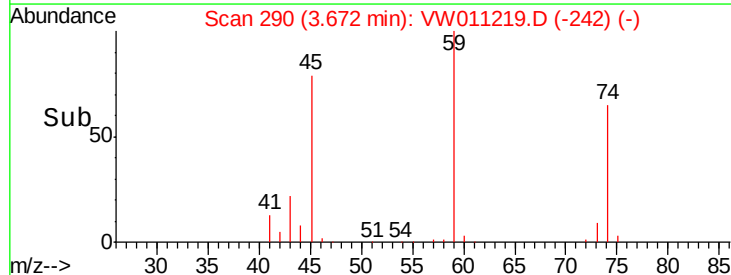
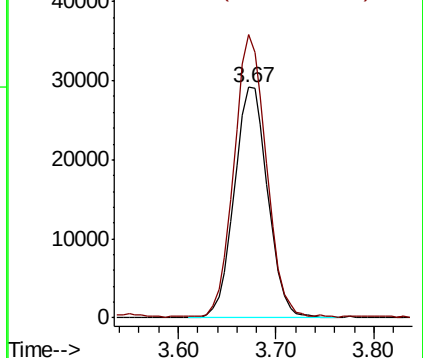
#8

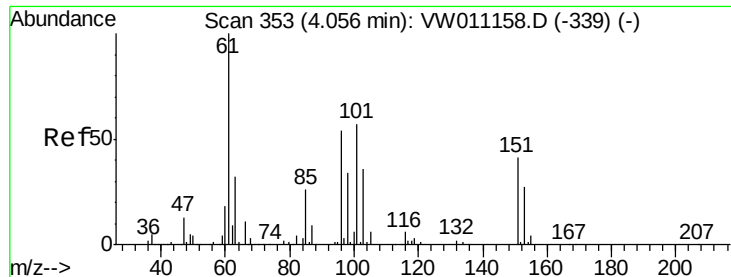
Diethyl Ether
 Concen: 48.091 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 74 Resp: 69377
 Ion Ratio Lower Upper
 74 100
 45 117.7 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: 50.611 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

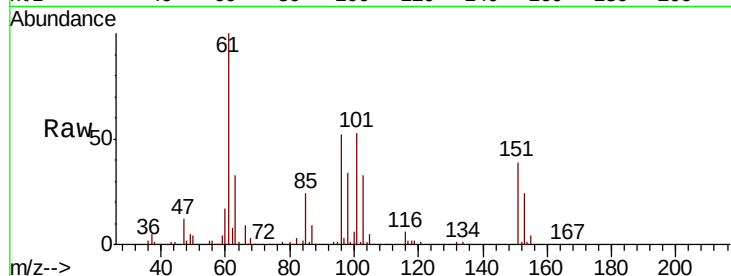
Tot Ion:101 Resp: 126395

Ion Ratio Lower Upper

101 100

85 45.9 36.5 54.7

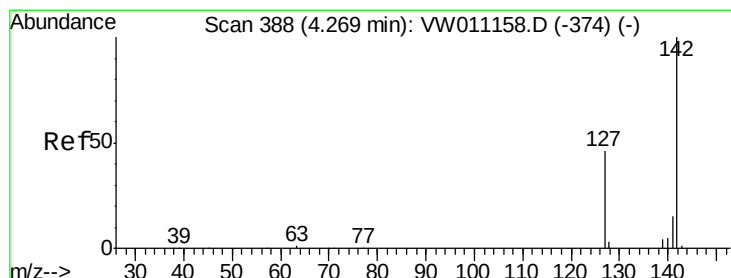
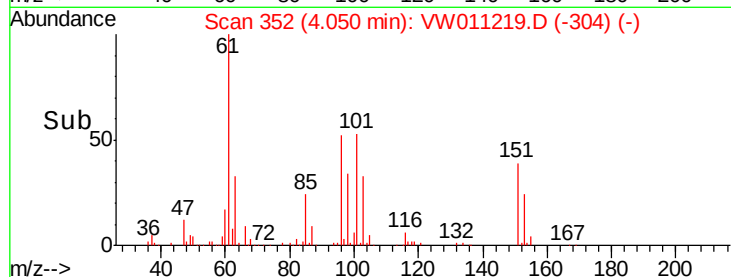
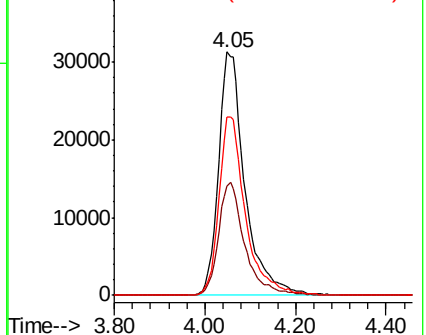
151 73.5 59.1 88.7



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: 50.552 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

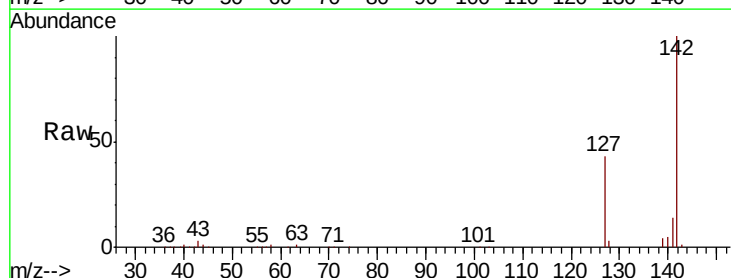
Tgt Ion:142 Resp: 173639

Ion Ratio Lower Upper

142 100

127 43.8 35.7 53.5

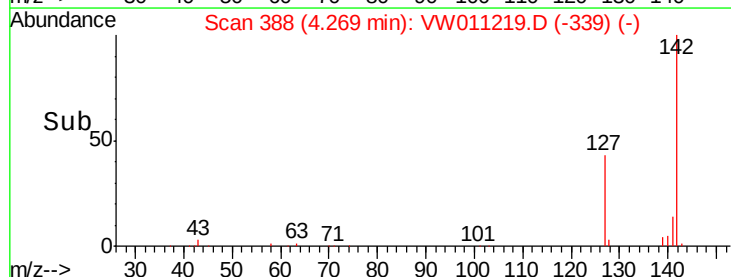
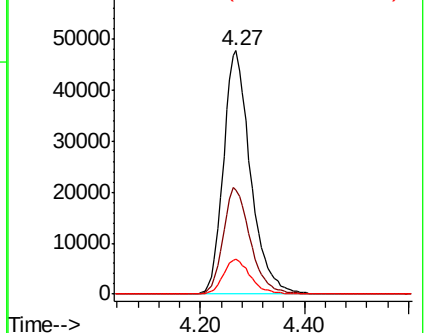
141 14.4 11.5 17.3

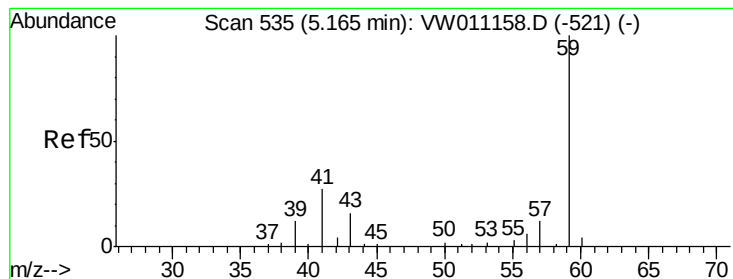


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



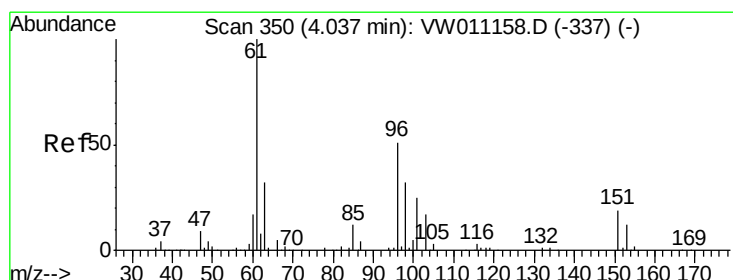
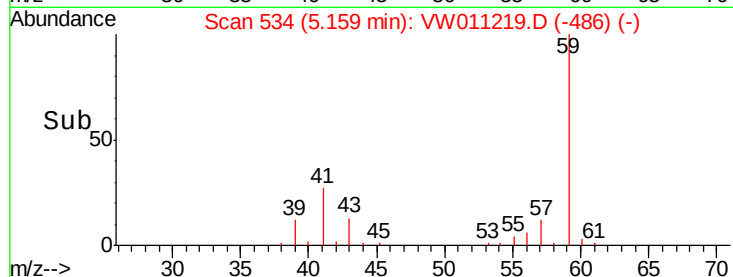
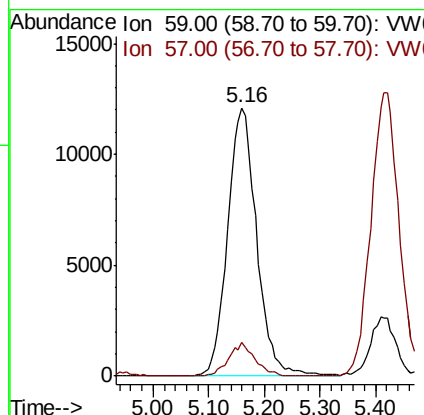
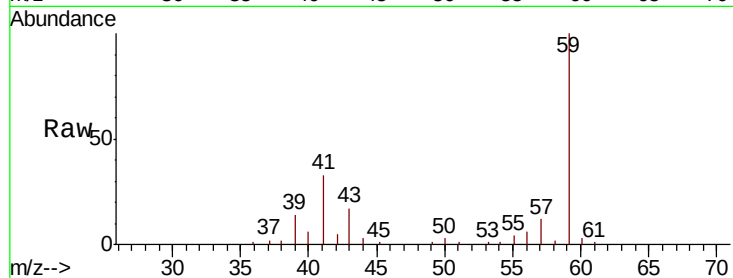


#11

Tert butyl alcohol
Concen: 201.127 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

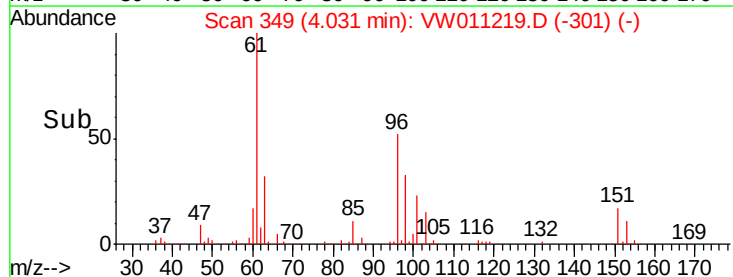
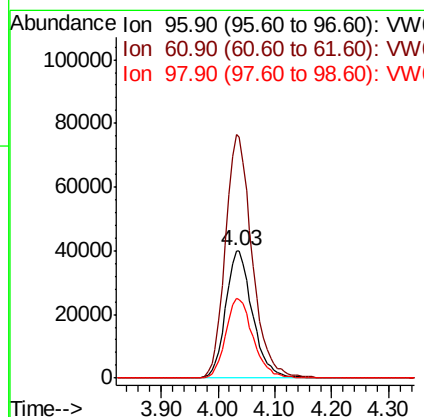
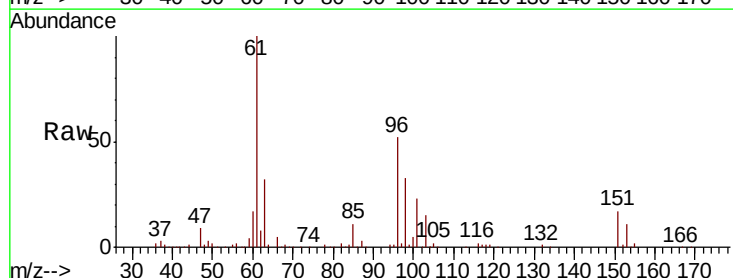
Tot Ion: 59 Resp: 43658
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.6

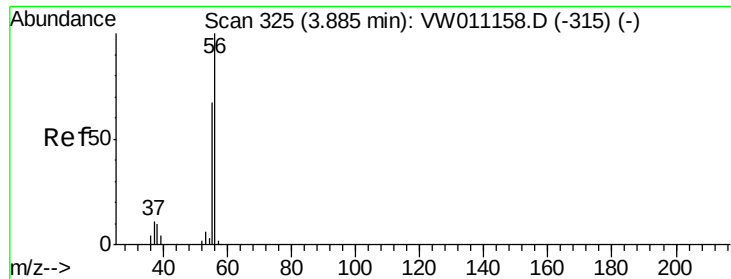


#12

1,1-Dichloroethene
Concen: 50.611 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 96 Resp: 131188
Ion Ratio Lower Upper
96 100
61 191.3 157.7 236.5
98 62.3 50.9 76.3





#13

Acrolein

Concen: 342.138 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

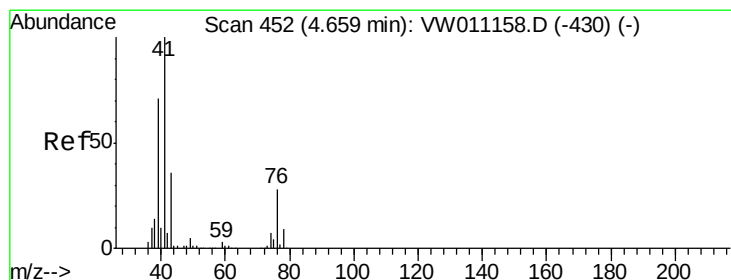
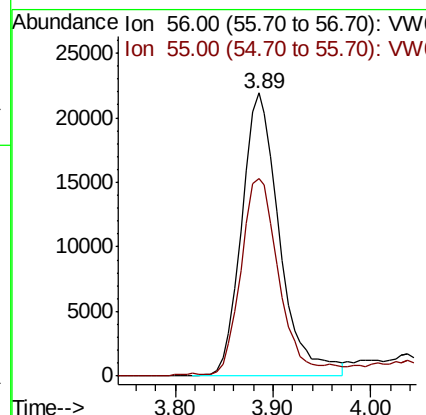
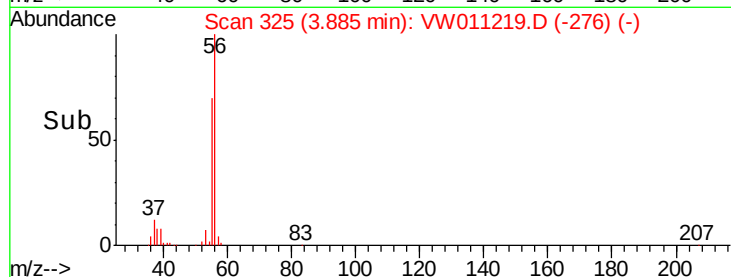
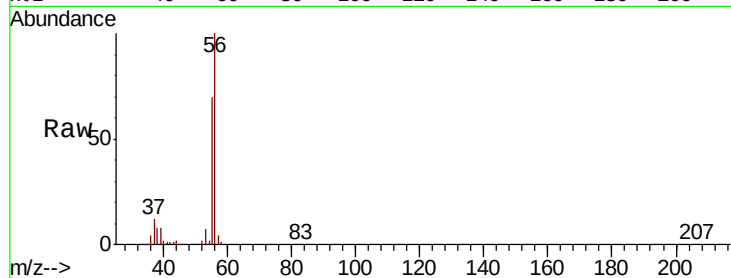
VSTDCCC050

Tot Ion: 56 Resp: 59138

Ion Ratio Lower Upper

56 100

55 72.1 56.4 84.6



#14

Allyl chloride

Concen: 54.295 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

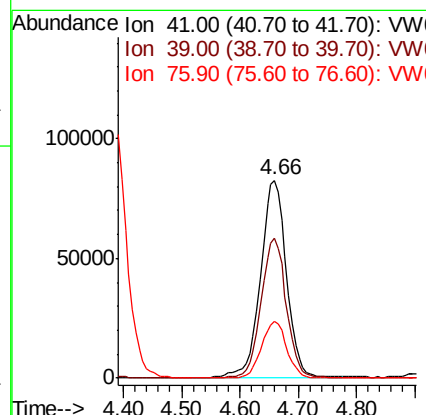
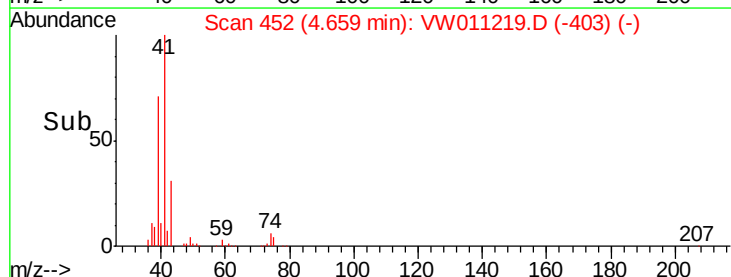
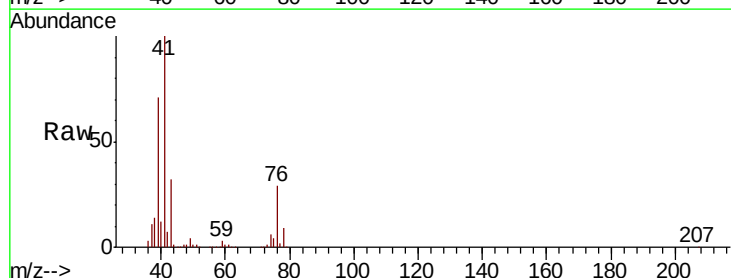
Tgt Ion: 41 Resp: 256637

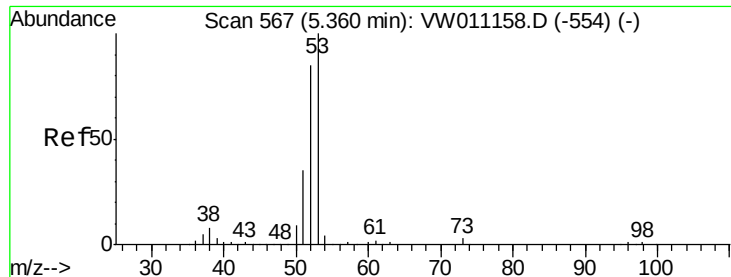
Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

76 27.7 22.5 33.7





#15

Acrylonitrile

Concen: 225.293 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

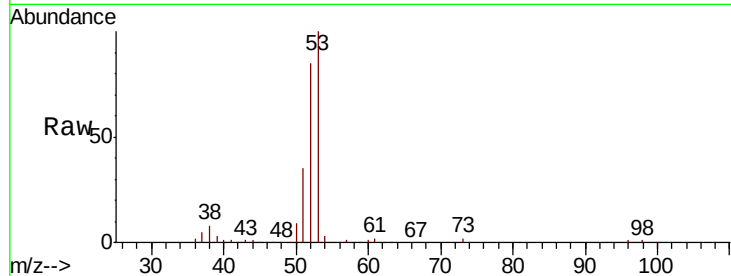
Tot Ion: 53 Resp: 165526

Ion Ratio Lower Upper

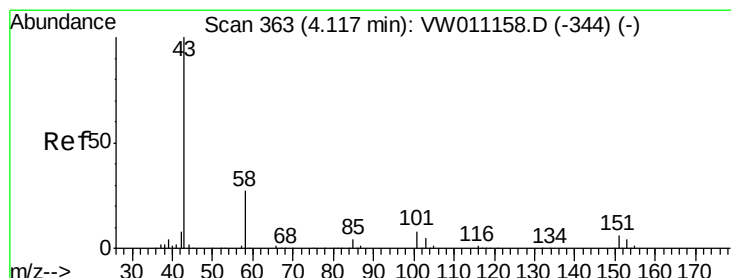
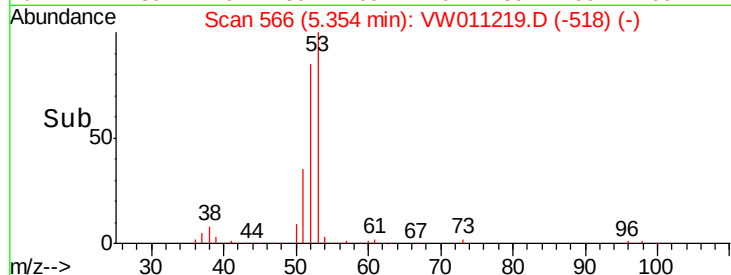
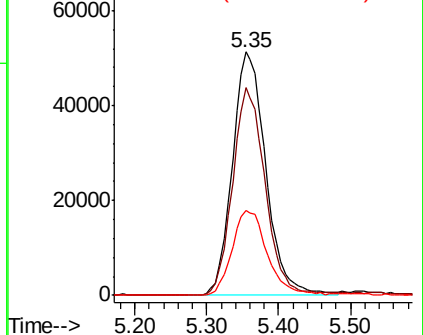
53 100

52 83.3 66.2 99.4

51 36.7 29.1 43.7



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



#16

Acetone

Concen: 285.119 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW011219.D

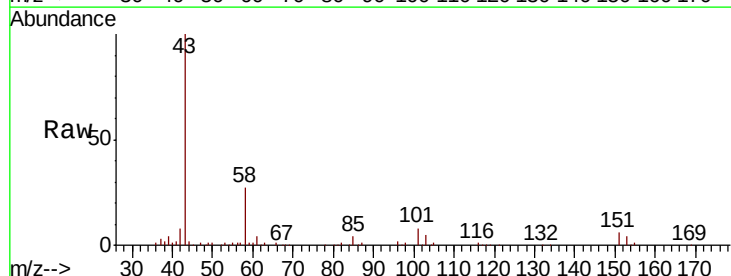
Acq: 11 Jul 2019 10:25

Tgt Ion: 43 Resp: 201135

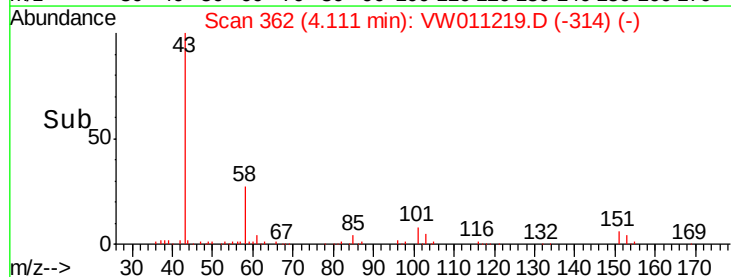
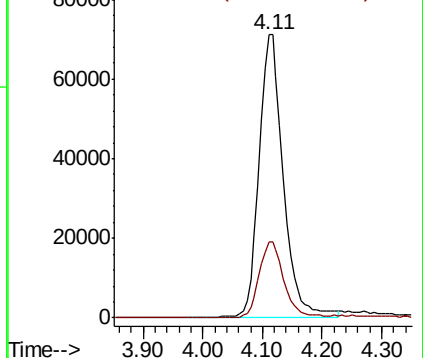
Ion Ratio Lower Upper

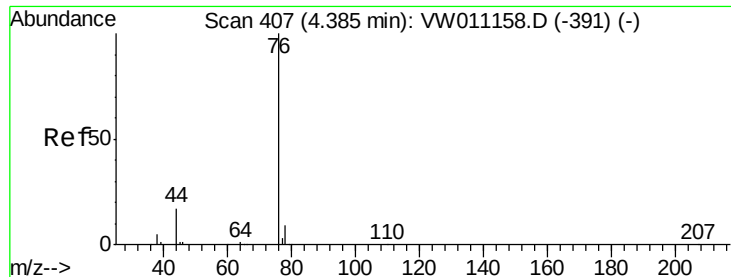
43 100

58 26.6 21.8 32.6



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





#17

Carbon Disulfide

Concen: 49.832 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

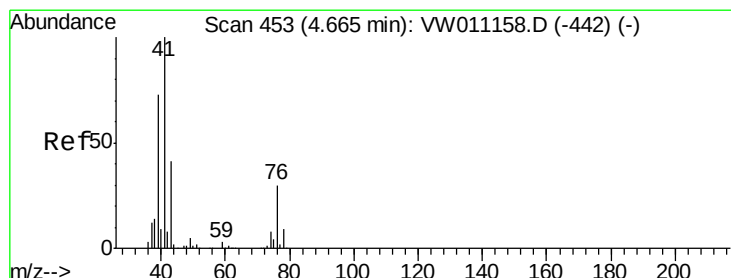
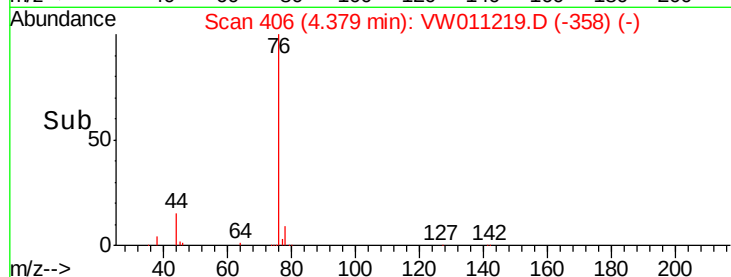
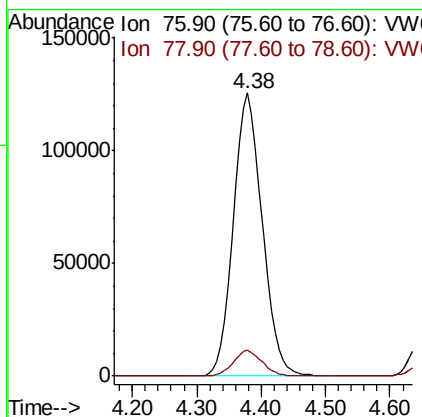
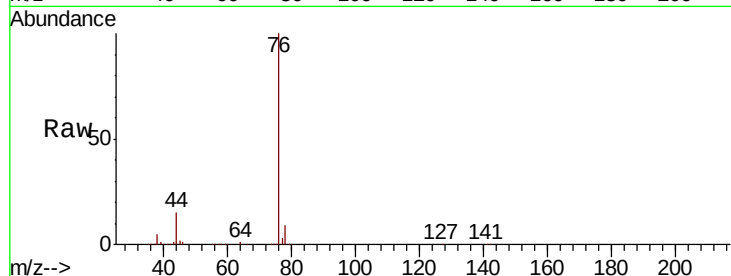
VSTDCCC050

Tot Ion: 76 Resp: 391593

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 38.177 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011219.D

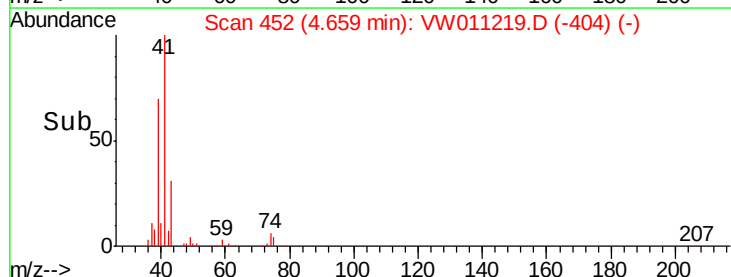
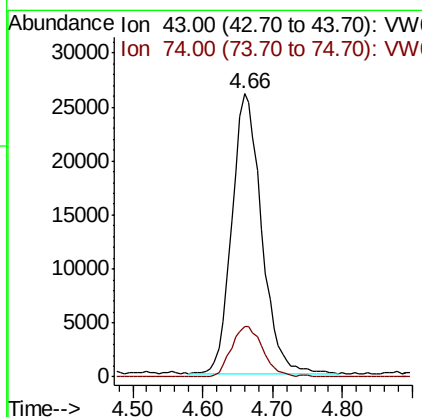
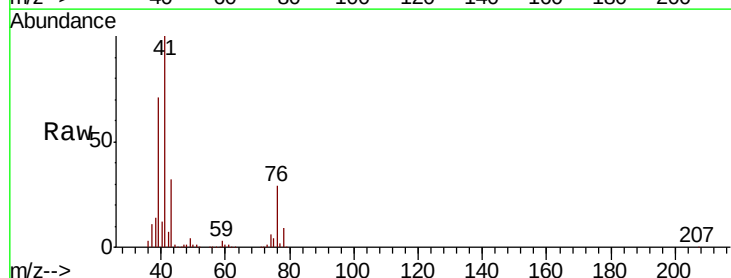
Acq: 11 Jul 2019 10:25

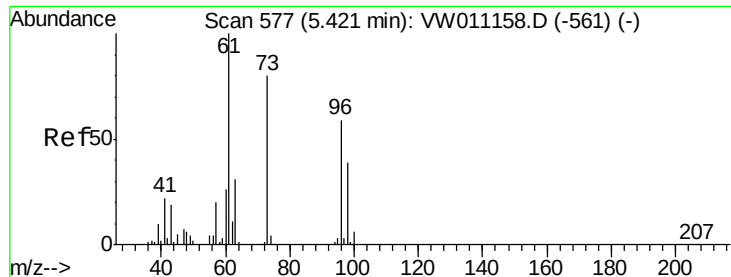
Tgt Ion: 43 Resp: 77258

Ion Ratio Lower Upper

43 100

74 18.9 15.7 23.5

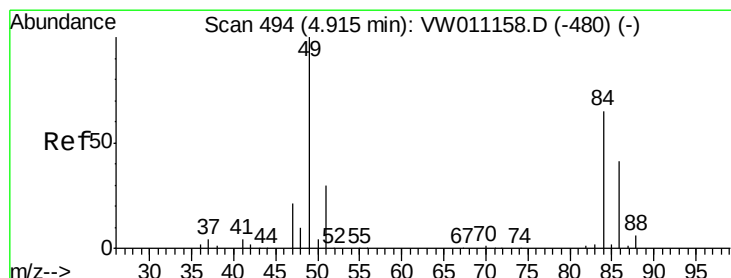
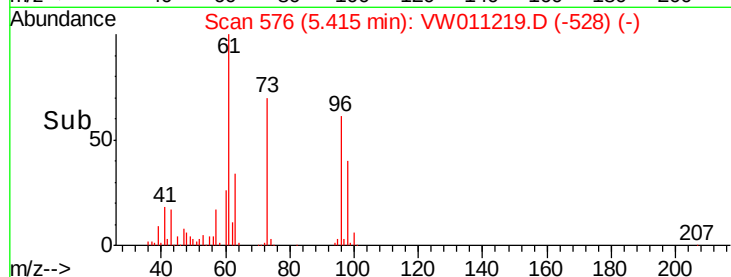
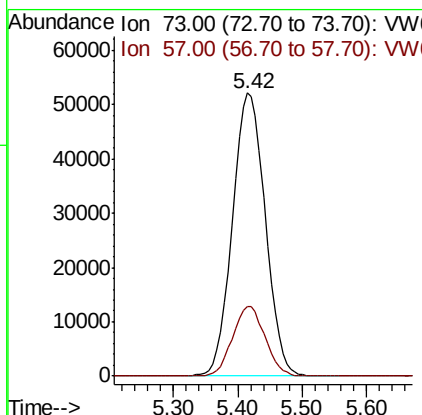
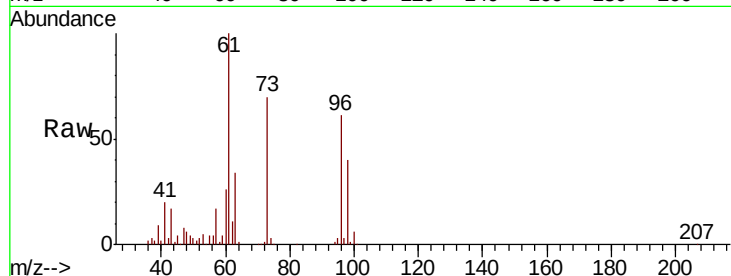




#19
Methyl tert-butyl Ether
Concen: 46.889 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

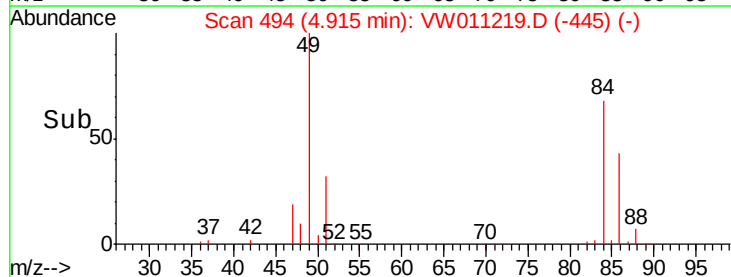
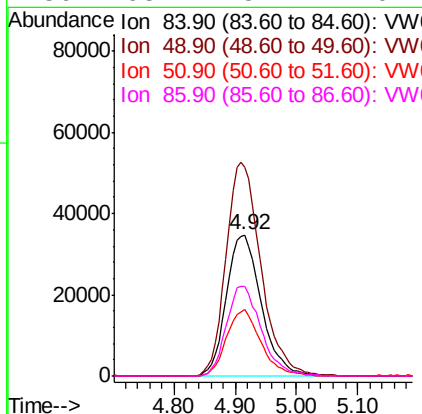
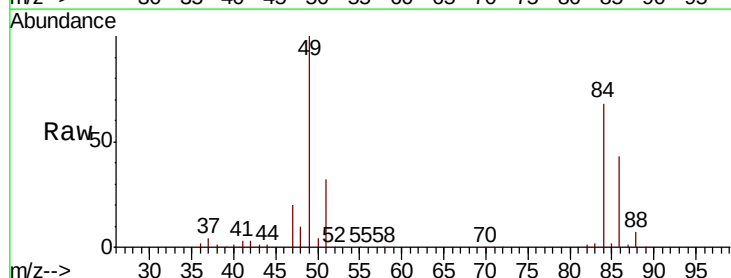
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

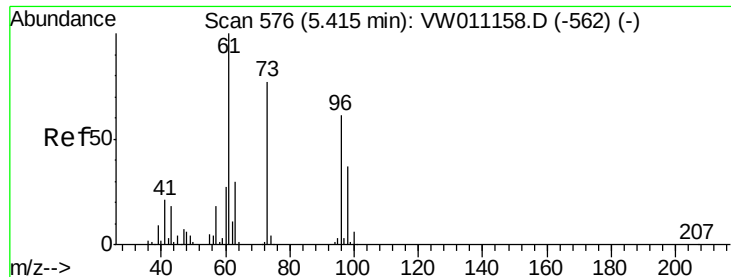
Tot Ion: 73 Resp: 184414
Ion Ratio Lower Upper
73 100
57 24.5 19.7 29.5



#20
Methylene Chloride
Concen: 49.146 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 84 Resp: 136769
Ion Ratio Lower Upper
84 100
49 147.2 123.8 185.6
51 47.1 37.4 56.2
86 63.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.493 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

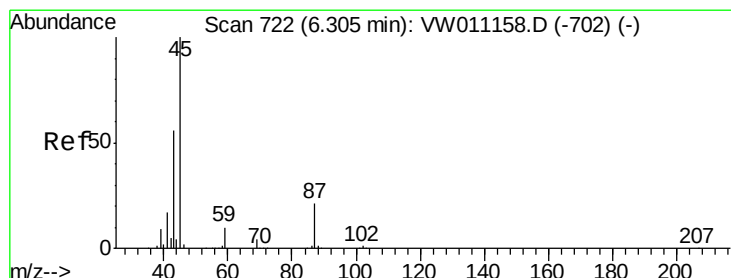
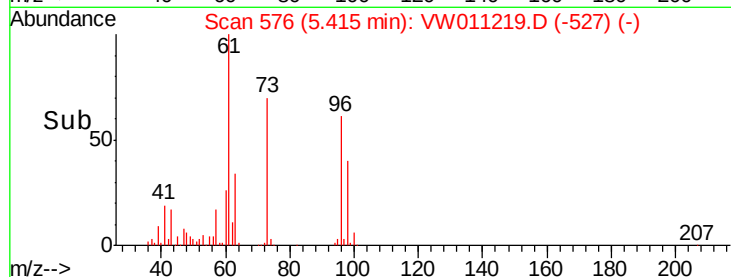
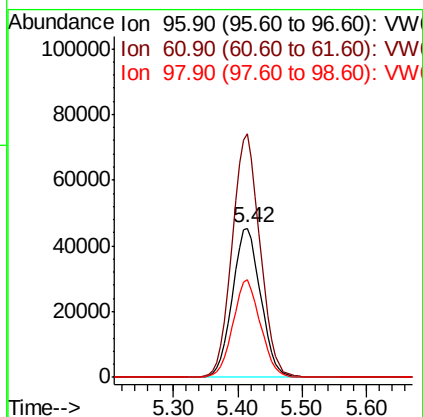
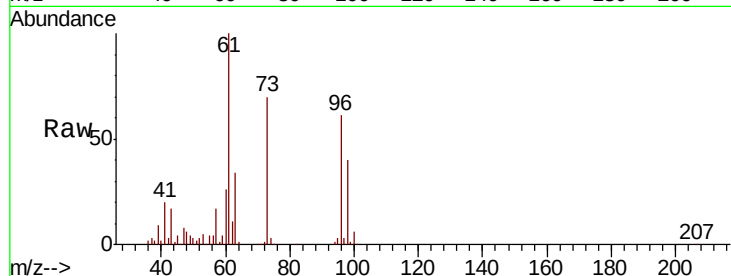
Tot Ion: 96 Resp: 138692

Ion Ratio Lower Upper

96 100

61 163.4 132.2 198.2

98 65.6 49.4 74.0



#22

Diisopropyl ether

Concen: 50.304 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Tgt Ion: 45 Resp: 511403

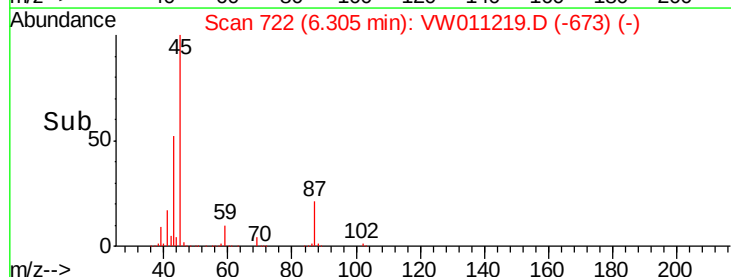
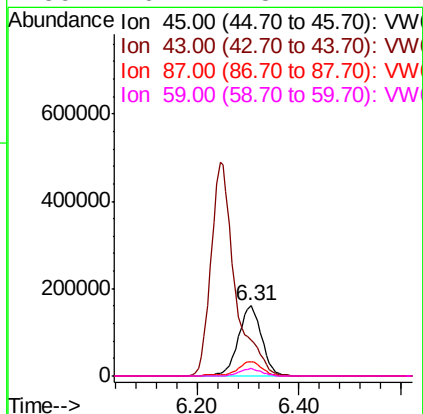
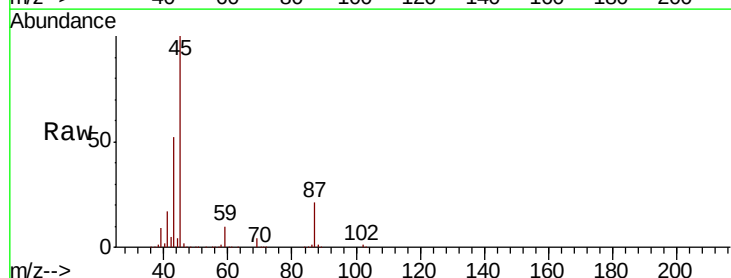
Ion Ratio Lower Upper

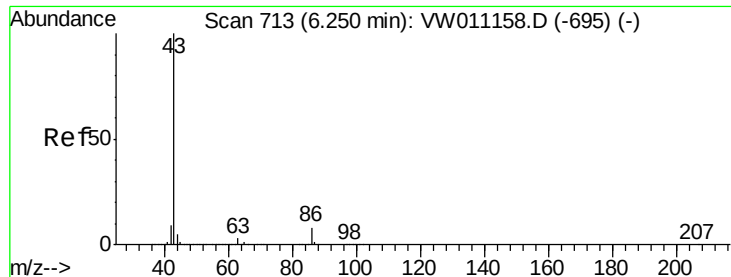
45 100

43 51.3 44.6 66.8

87 20.9 17.3 25.9

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 254.207 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

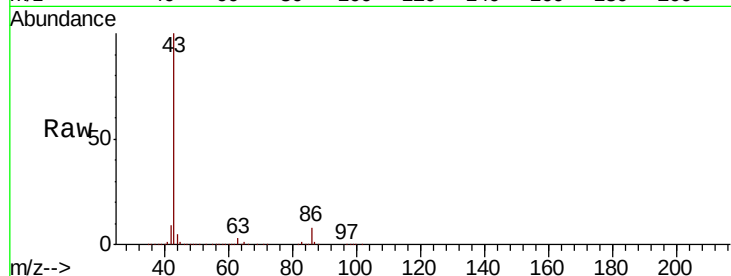
VSTDCCC050

Tot Ion: 43 Resp: 1599383

Ion Ratio Lower Upper

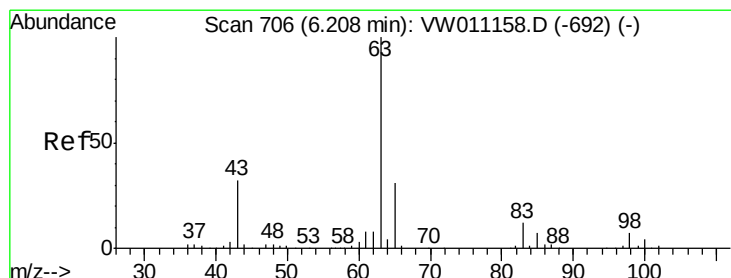
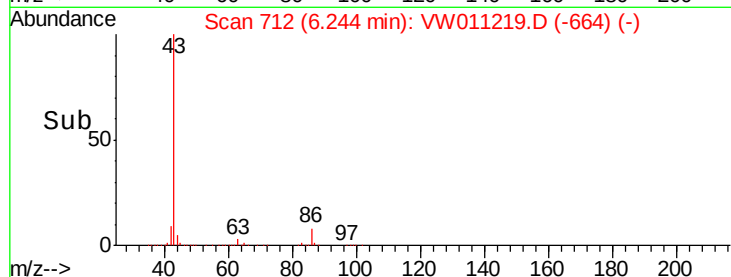
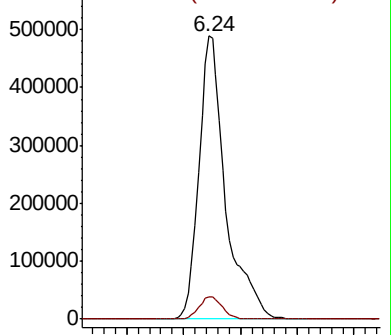
43 100

86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.728 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

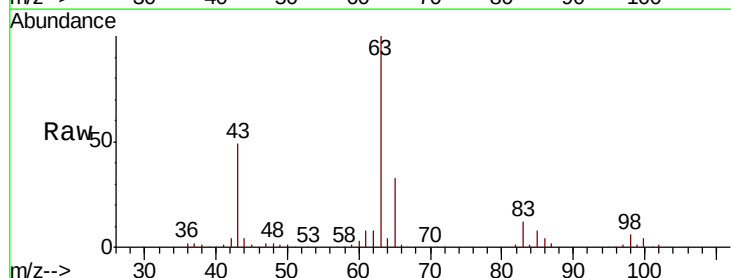
Tgt Ion: 63 Resp: 270811

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

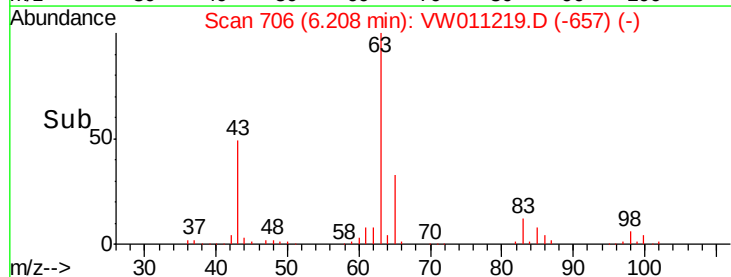
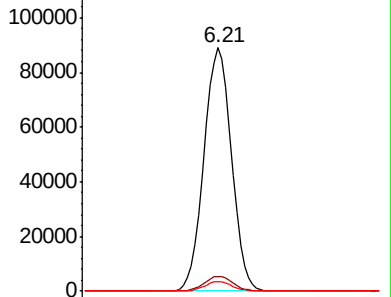
100 3.7 2.1 6.2

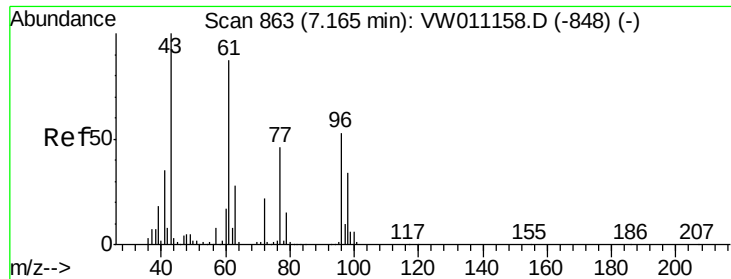


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 231.536 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

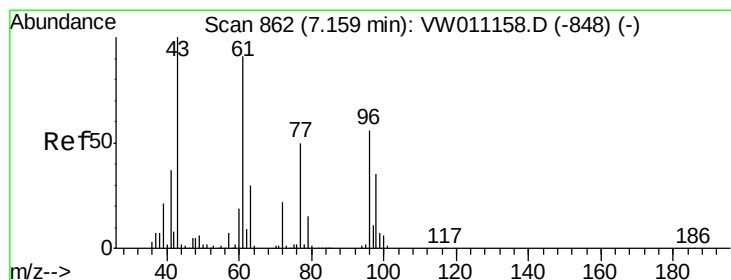
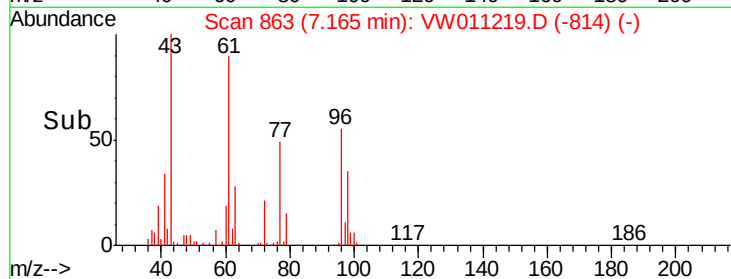
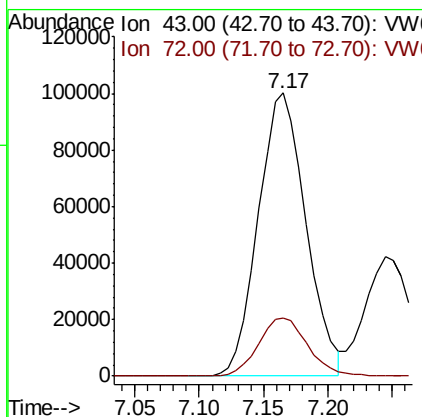
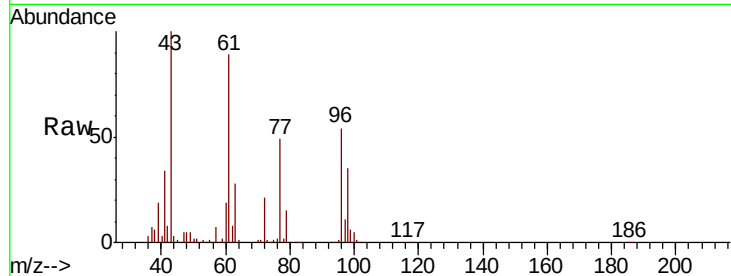
VSTDCCC050

Tot Ion: 43 Resp: 256394

Ion Ratio Lower Upper

43 100

72 20.8 17.6 26.4



#26

2,2-Dichloropropane

Concen: 51.996 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011219.D

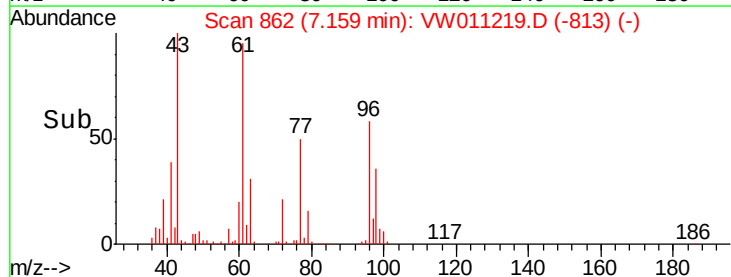
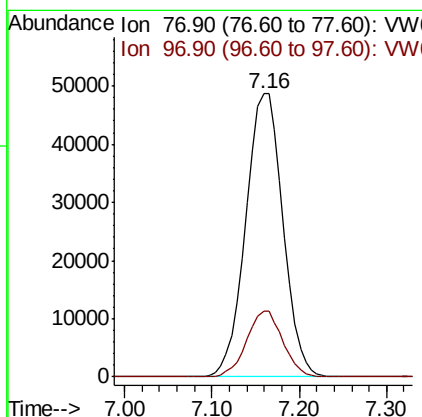
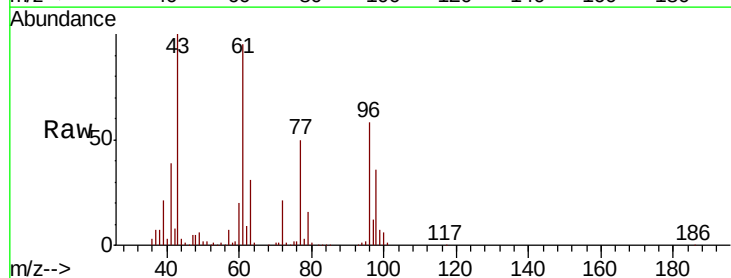
Acq: 11 Jul 2019 10:25

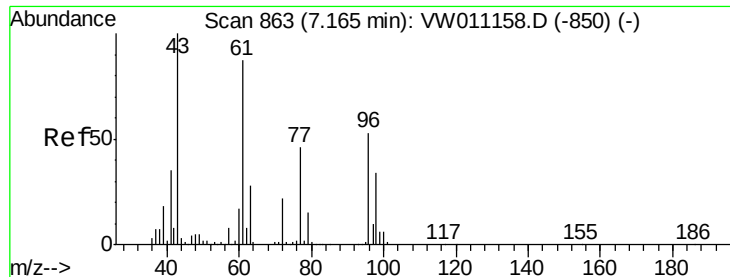
Tgt Ion: 77 Resp: 144290

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5



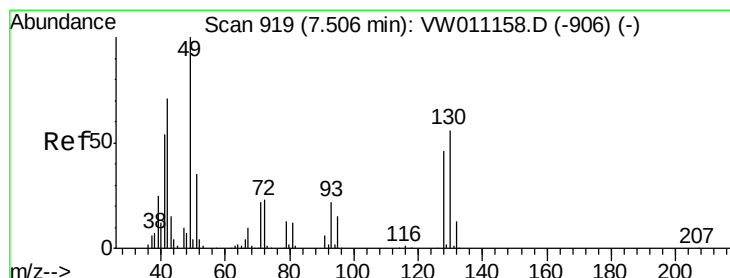
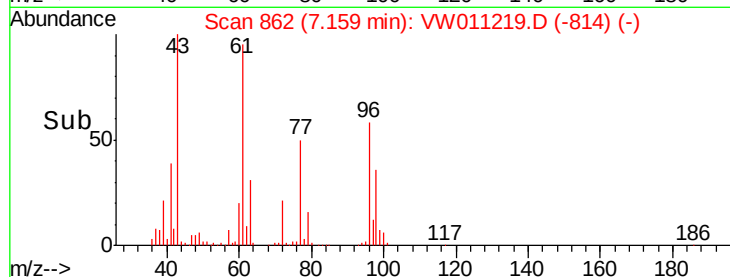
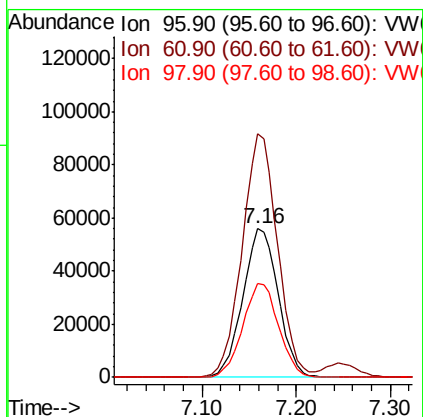
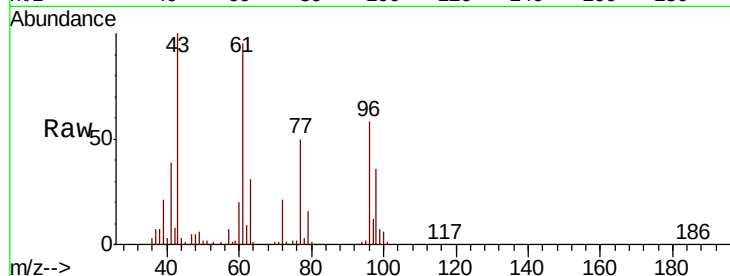


#27

cis-1,2-Dichloroethene
Concen: 50.618 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

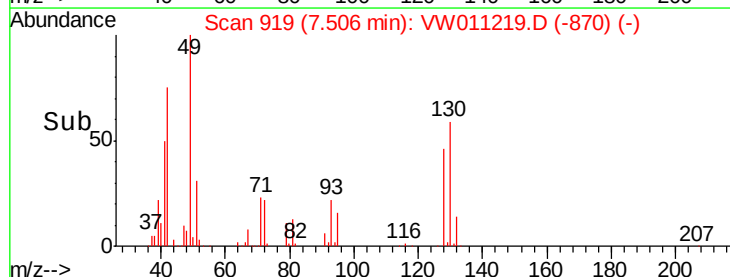
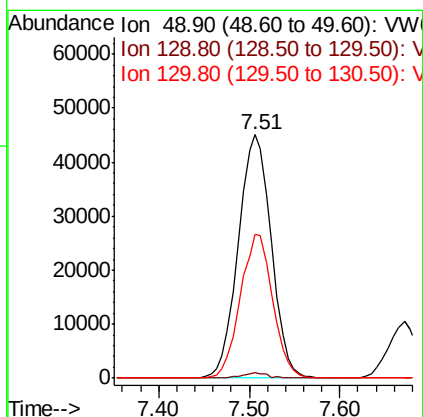
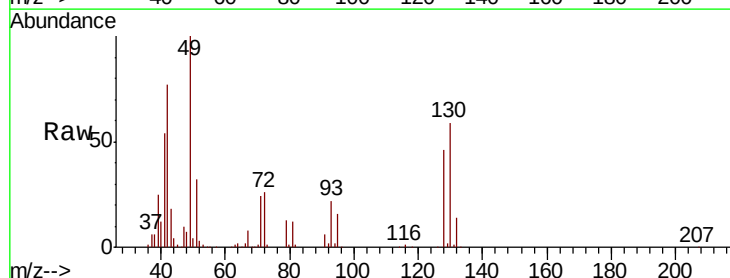
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	325.6
98	64.0	0.0	128.2

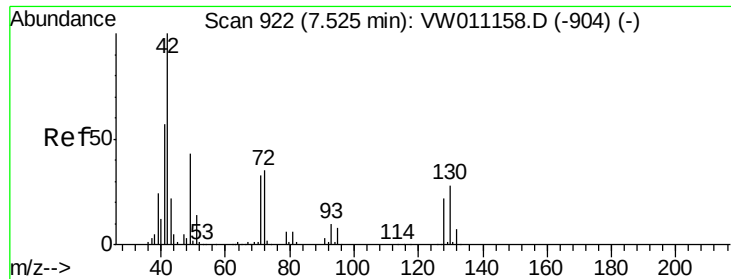


#28

Bromochloromethane
Concen: 46.793 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.4#
130	58.0	45.8	68.8

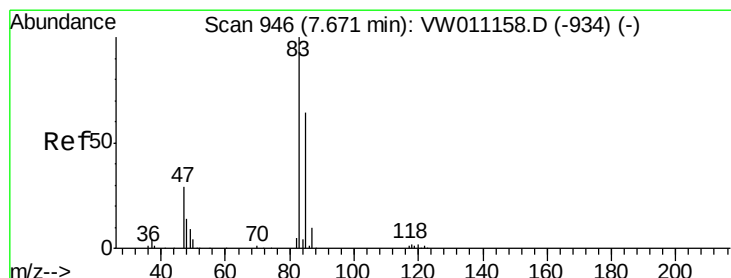
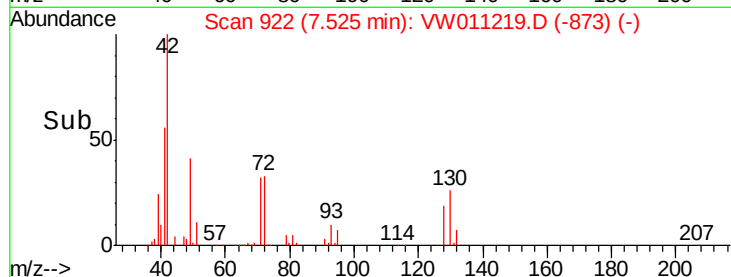
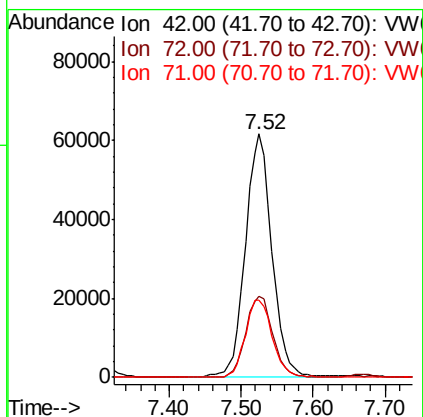
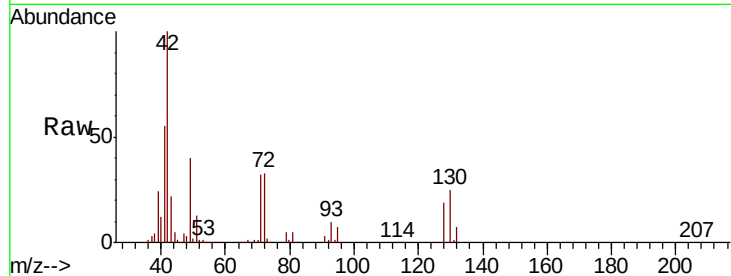




#29
Tetrahydrofuran
Concen: 216.526 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

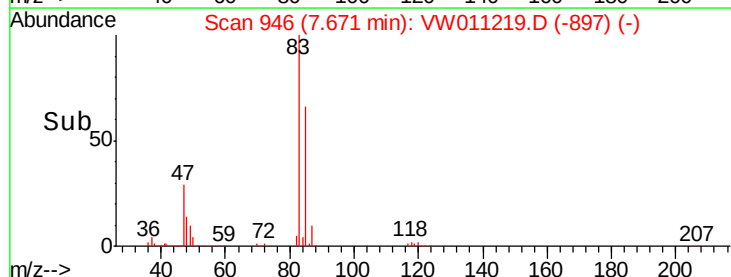
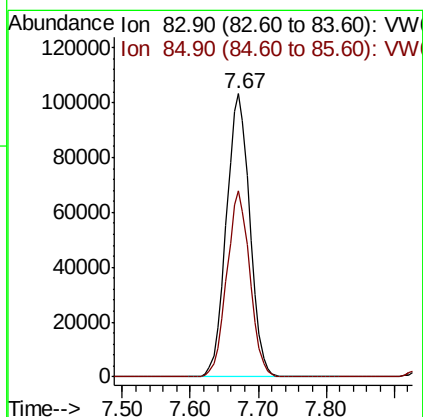
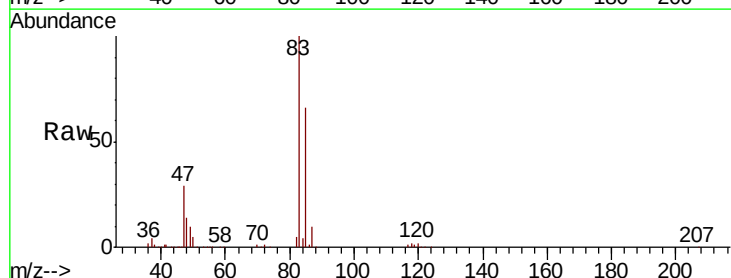
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

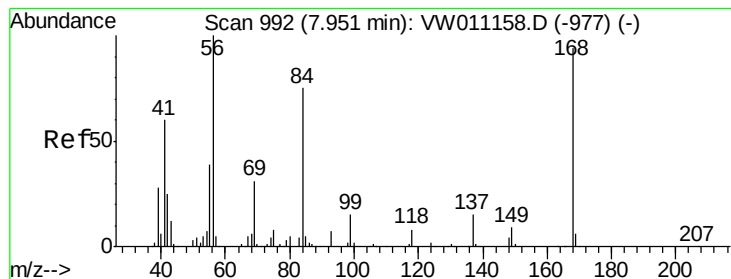
Tot Ion: 42 Resp: 157221
Ion Ratio Lower Upper
42 100
72 34.3 27.4 41.2
71 32.5 25.9 38.9



#30
Chloroform
Concen: 49.769 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 83 Resp: 246058
Ion Ratio Lower Upper
83 100
85 65.9 51.4 77.2





#31

Cyclohexane

Concen: 49.433 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

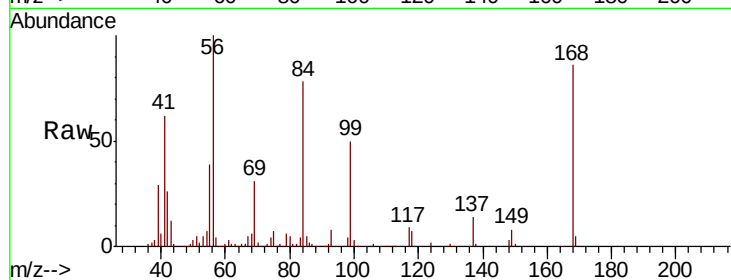
Tot Ion: 56 Resp: 280749

Ion Ratio Lower Upper

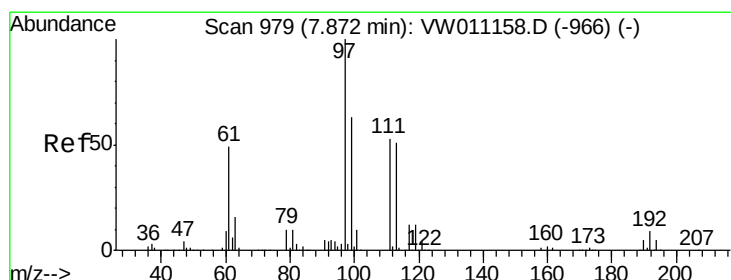
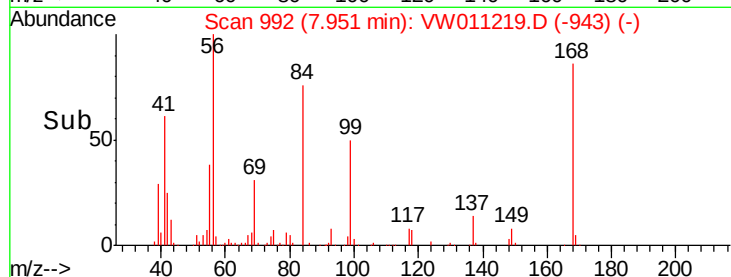
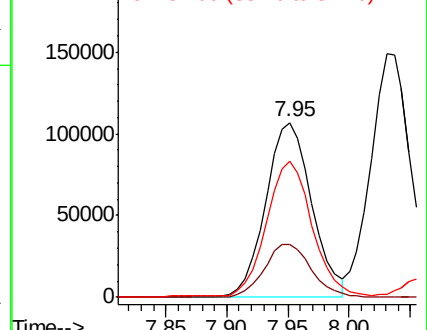
56 100

69 30.5 24.6 36.8

84 77.0 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: 50.974 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

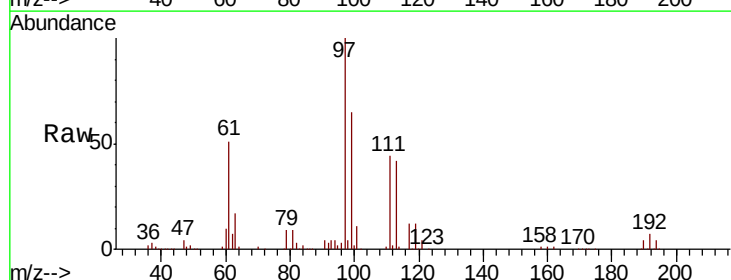
Tgt Ion: 97 Resp: 191704

Ion Ratio Lower Upper

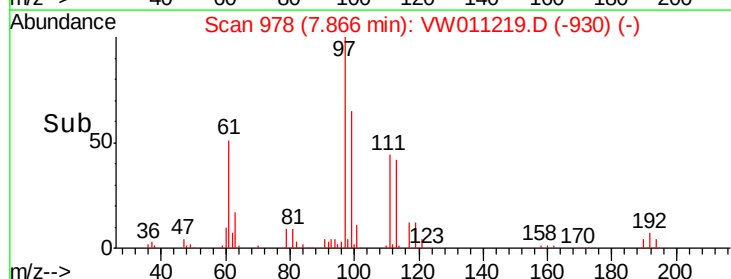
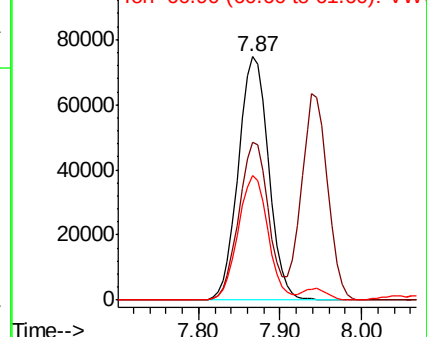
97 100

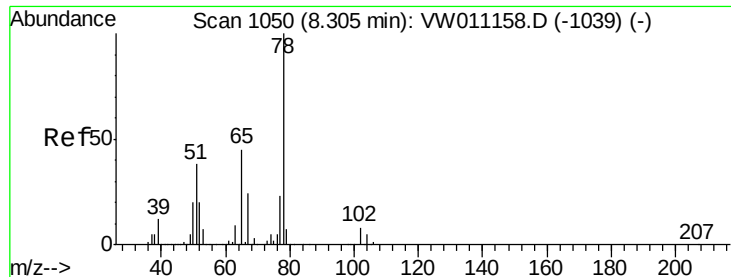
99 64.5 51.0 76.4

61 50.5 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

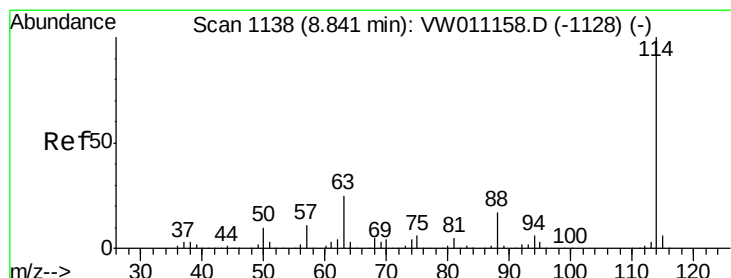
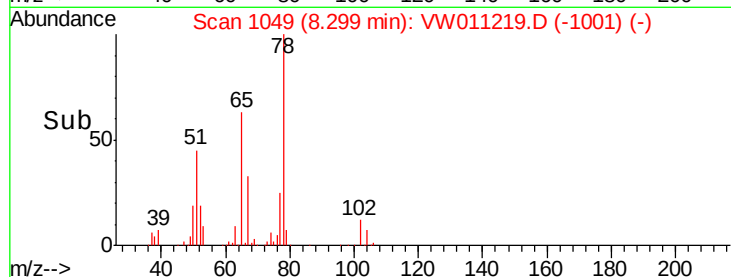
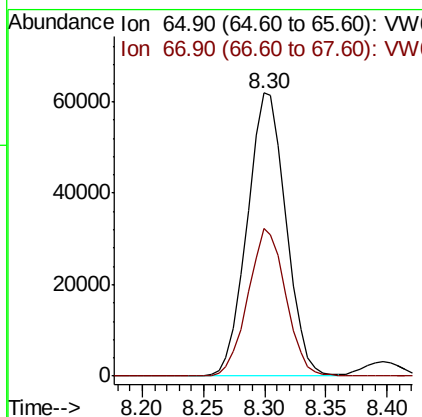
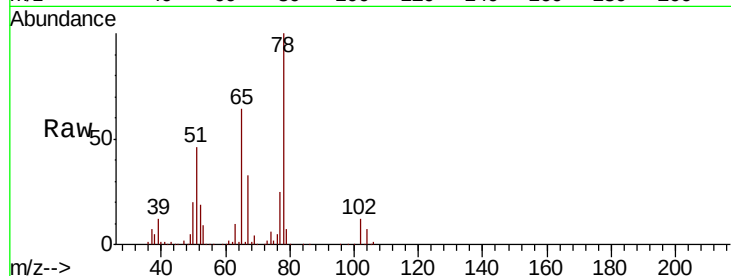




#33
 1,2-Dichloroethane-d4
 Concen: 46.517 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

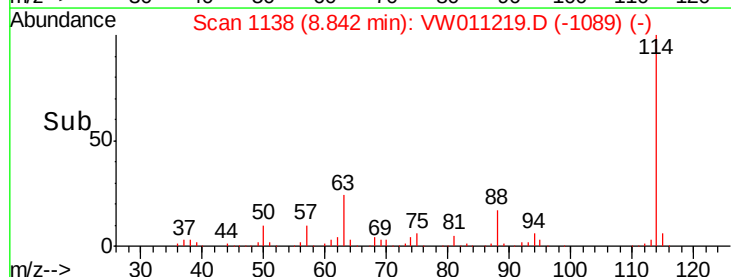
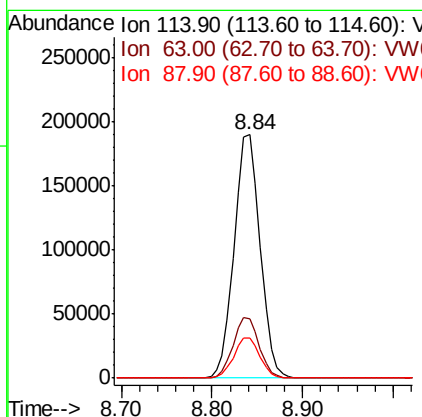
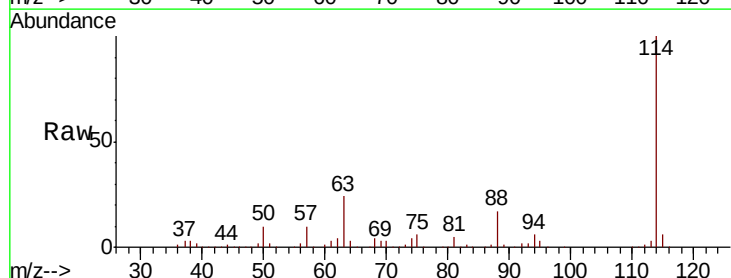
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

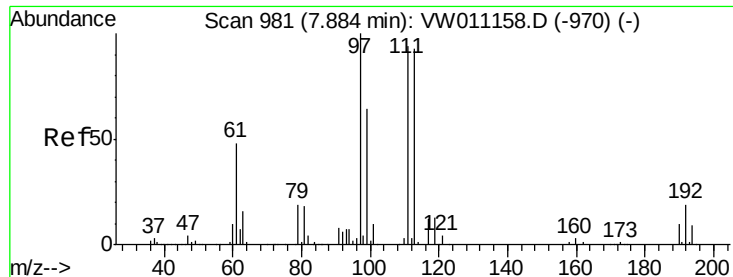
Tot Ion: 65 Resp: 136383
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 114 Resp: 377339
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.7 0.0 34.2

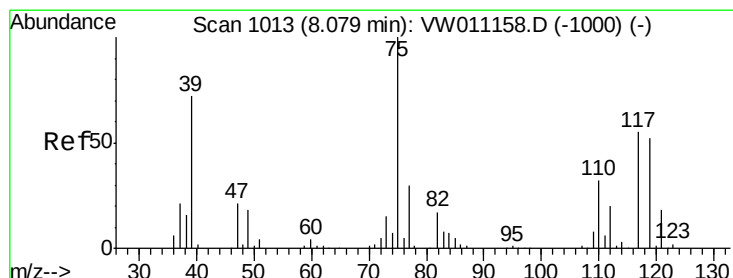
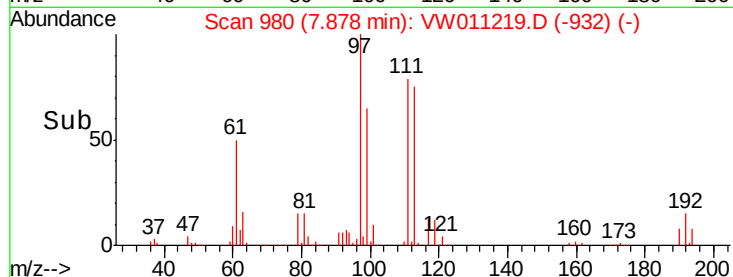
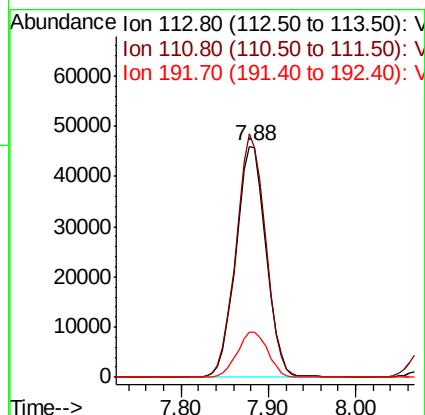
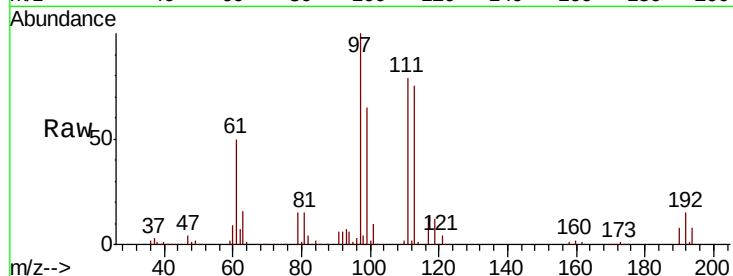




#35
 Dibromofluoromethane
 Concen: 49.071 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

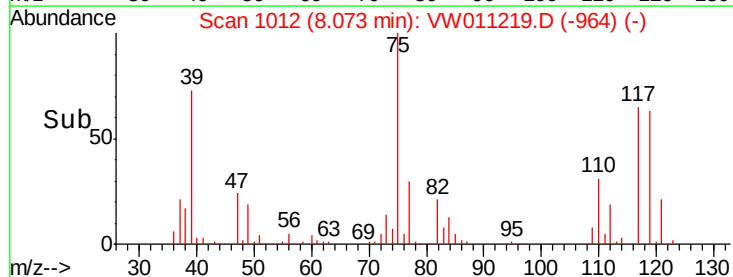
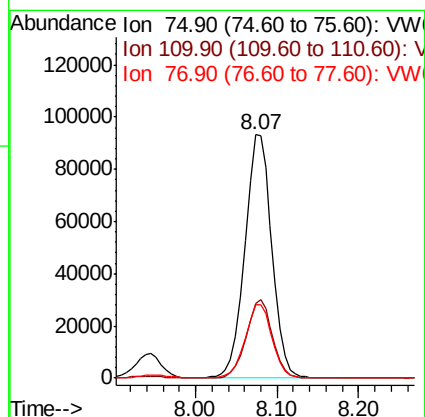
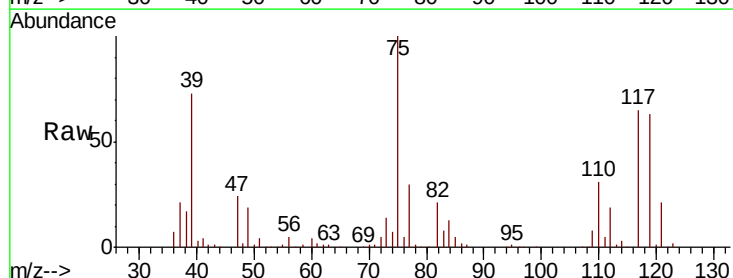
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

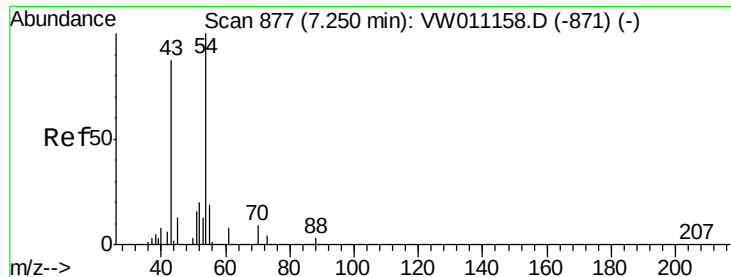
Tot Ion:113 Resp: 110365
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 53.135 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 75 Resp: 213514
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.9 47.6
 77 30.6 24.6 36.8

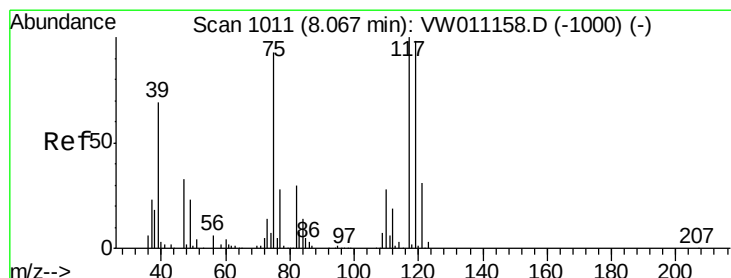
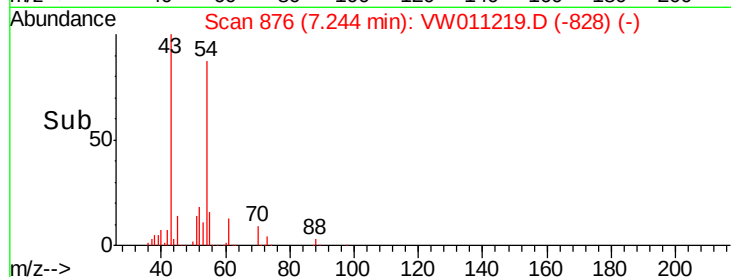
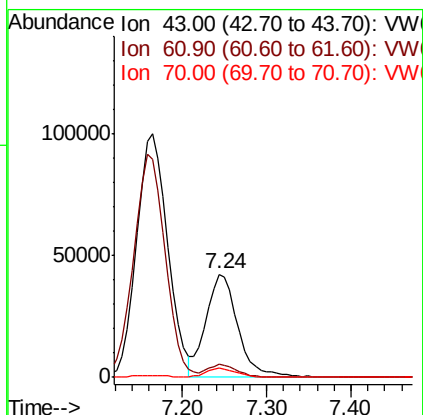
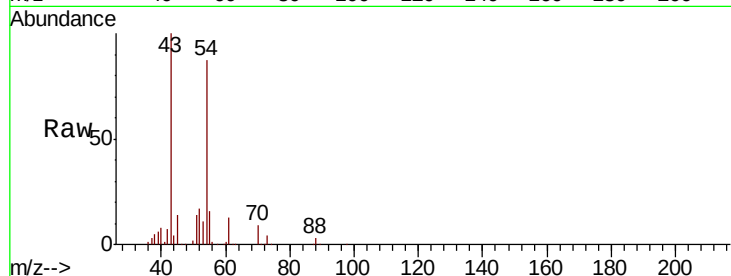




#37
Ethyl Acetate
Concen: 45.741 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

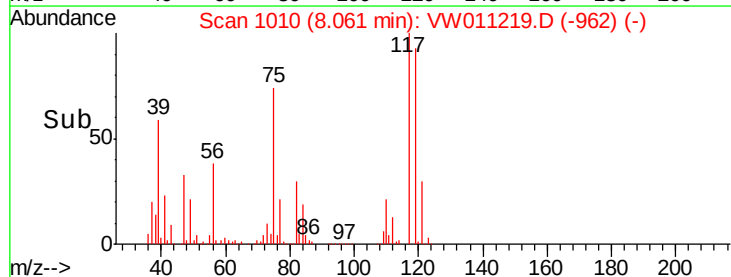
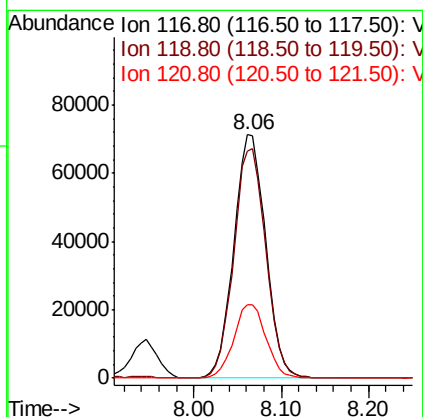
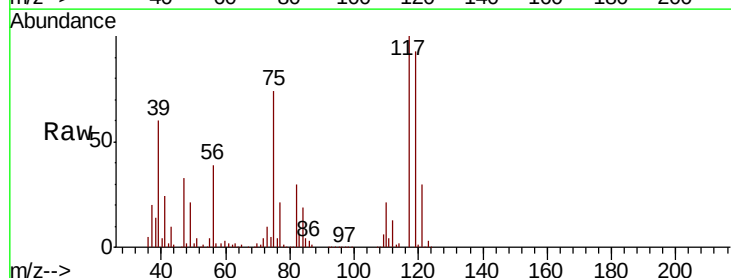
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

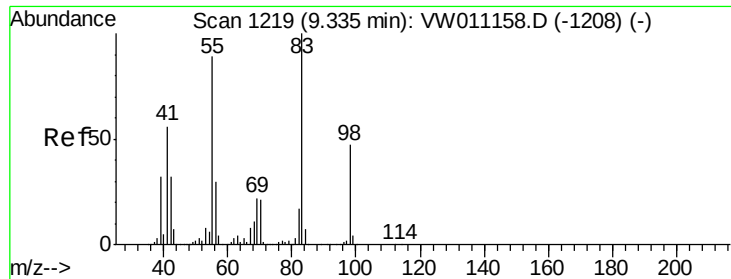
Tot Ion: 43 Resp: 110432
Ion Ratio Lower Upper
43 100
61 11.3 9.5 14.3
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.973 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 117 Resp: 180448
Ion Ratio Lower Upper
117 100
119 93.4 78.1 117.1
121 30.0 25.1 37.7

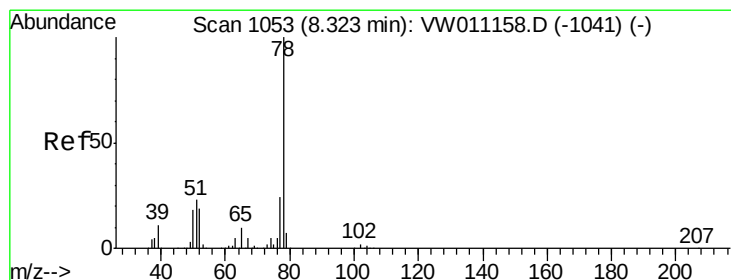
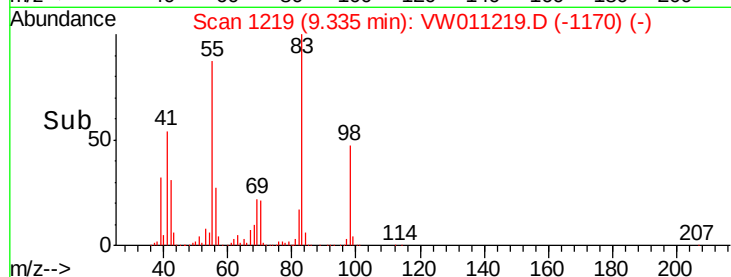
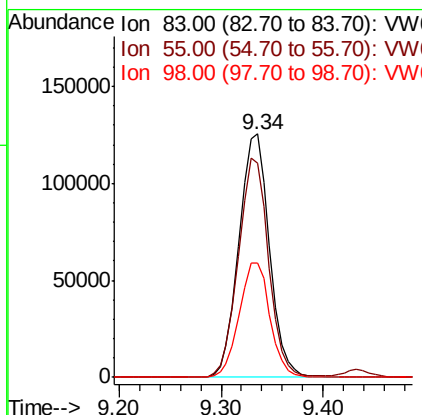
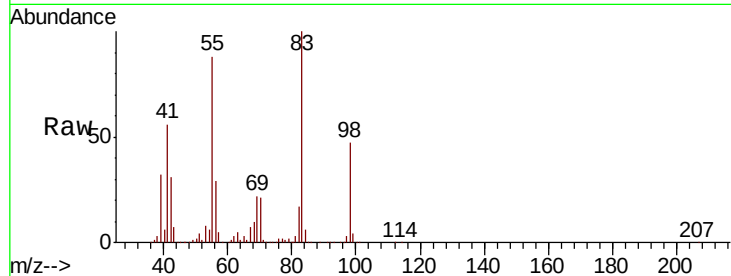




#39
Methylvlcyclohexane
Concen: 53.670 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

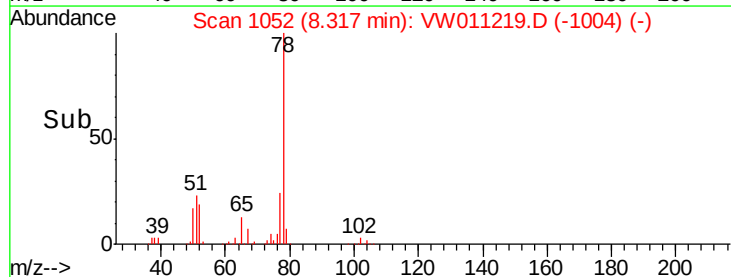
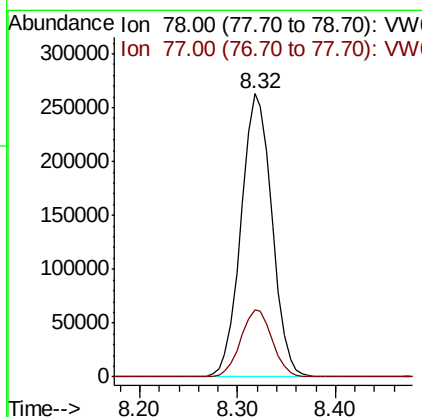
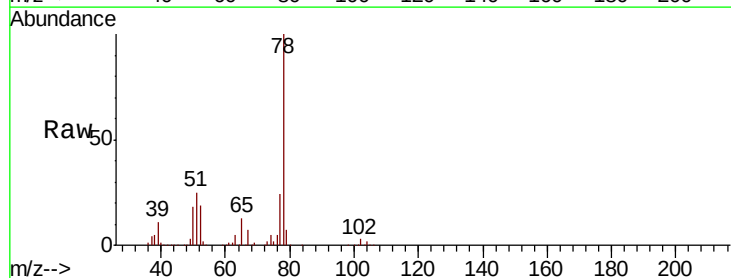
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

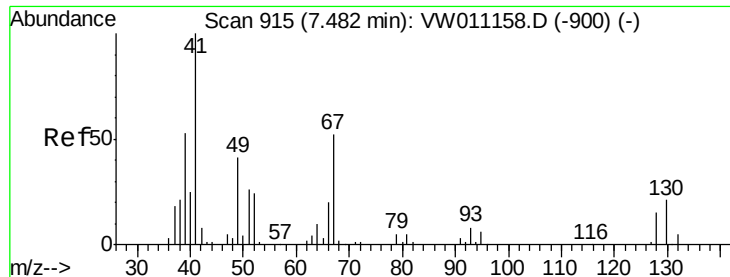
Tot Ion: 83 Resp: 261394
Ion Ratio Lower Upper
83 100
55 87.7 71.2 106.8
98 46.9 37.5 56.3



#40
Benzene
Concen: 51.930 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 78 Resp: 576684
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

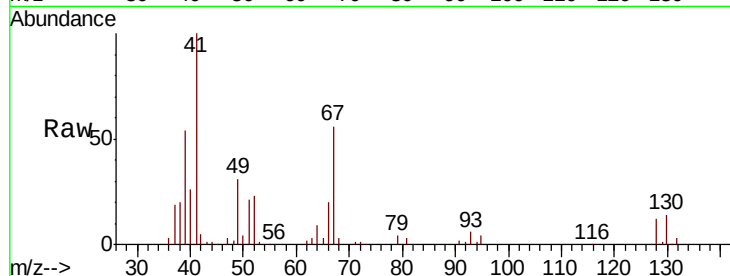




#41
Methacrylonitrile
Concen: 45.530 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	62869
Ion	Ratio	Lower	Upper
41	100		
39	53.3	48.0	72.0
67	59.7	49.7	74.5
52	27.3	23.4	35.0



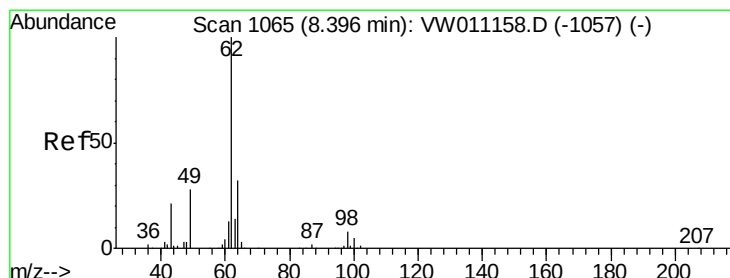
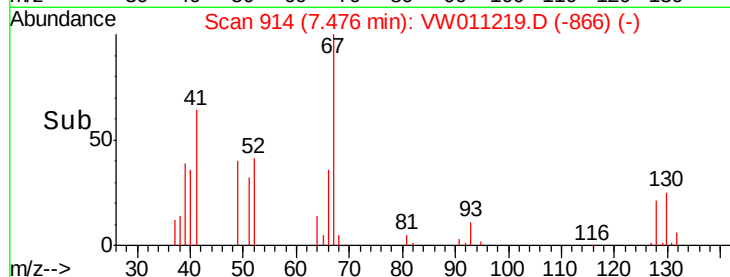
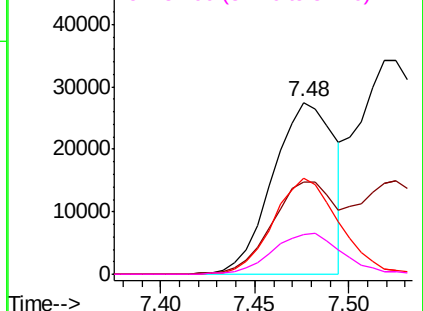
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

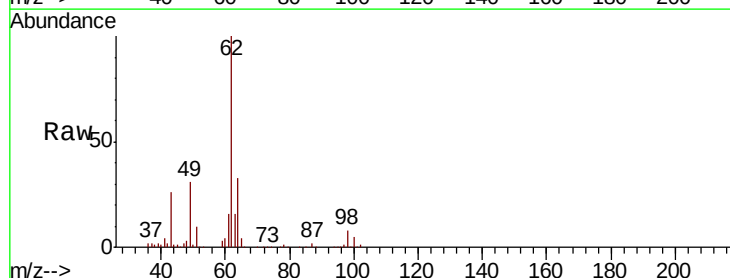
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 48.623 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

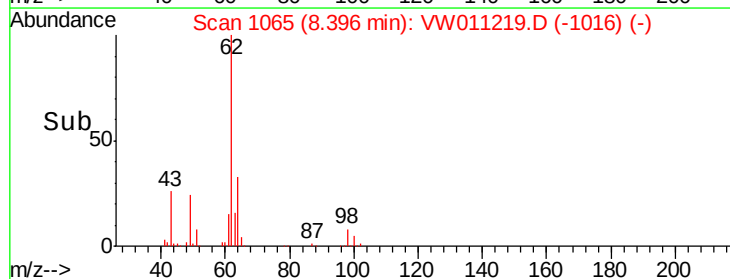
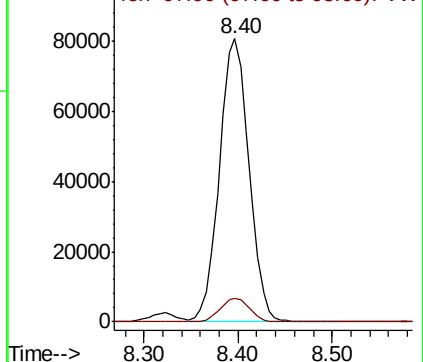
Tgt Ion:	62	Resp:	175159
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8

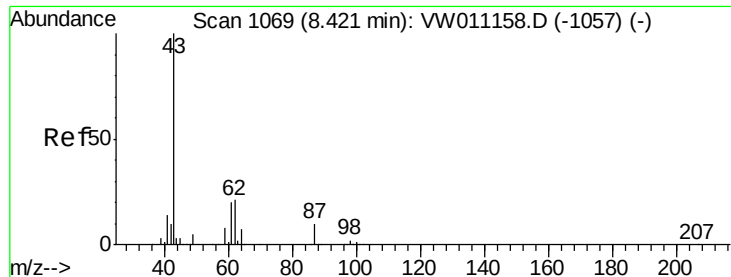


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 45.493 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

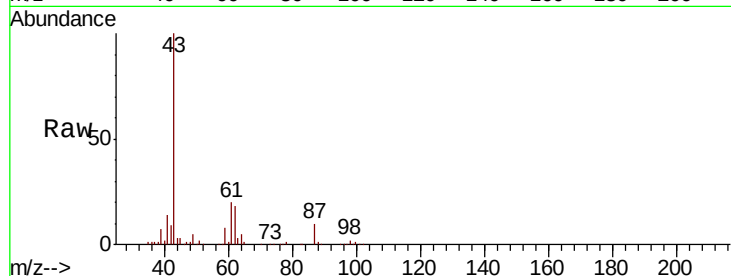
Tot Ion: 43 Resp: 207363

Ion Ratio Lower Upper

43 100

61 26.8 20.7 31.1

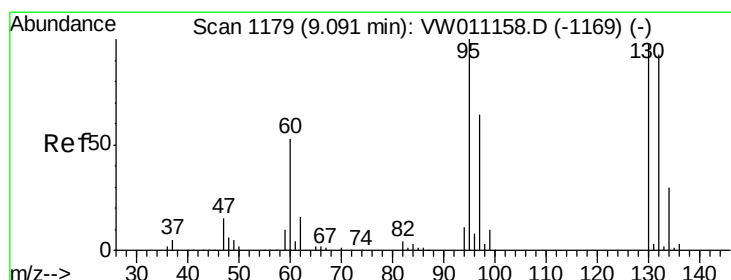
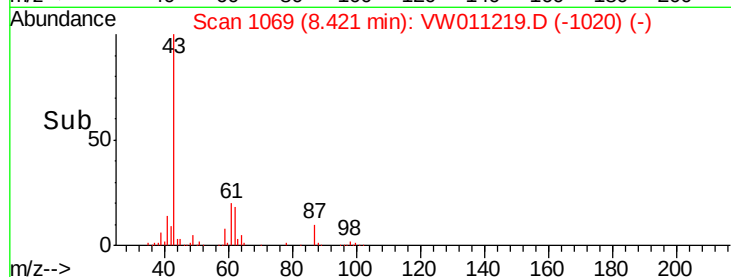
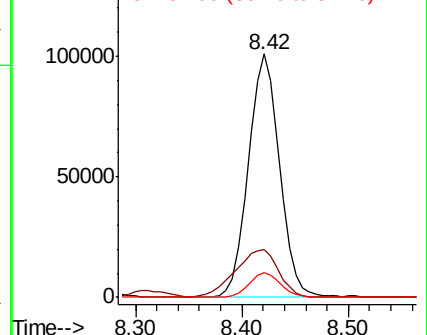
87 10.2 8.1 12.1



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: 52.260 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011219.D

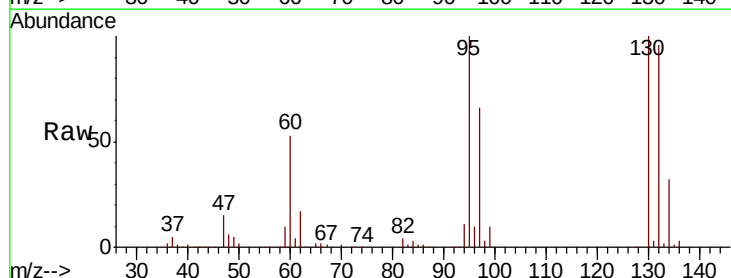
Acq: 11 Jul 2019 10:25

Tgt Ion:130 Resp: 139657

Ion Ratio Lower Upper

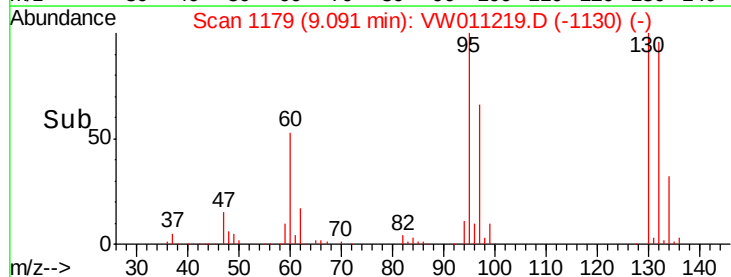
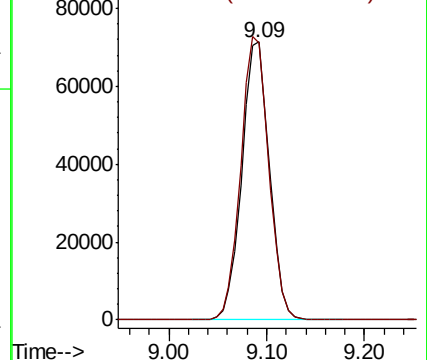
130 100

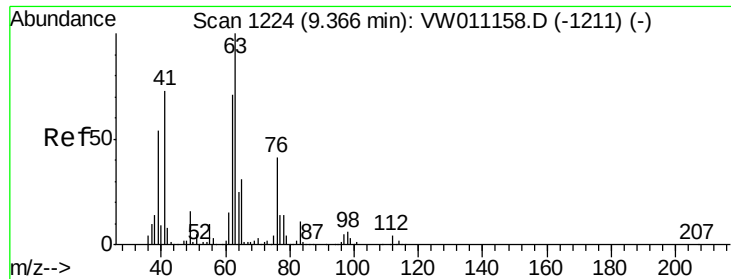
95 99.8 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

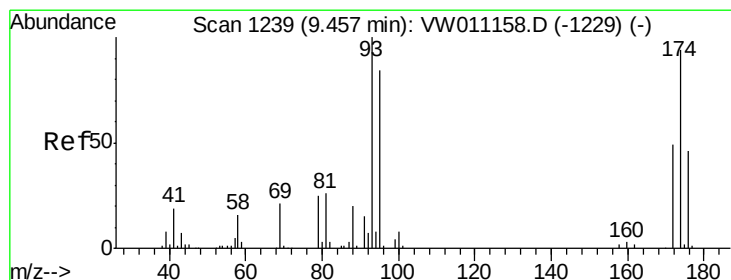
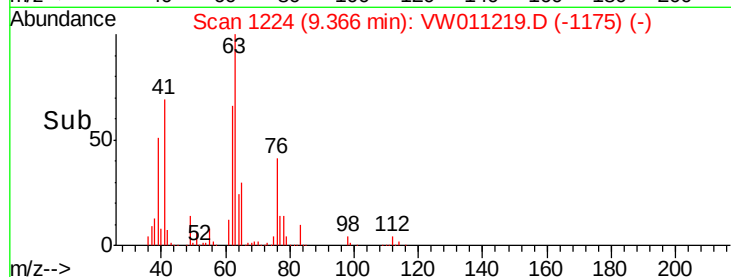
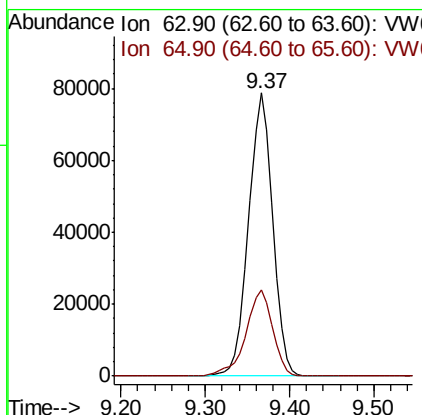
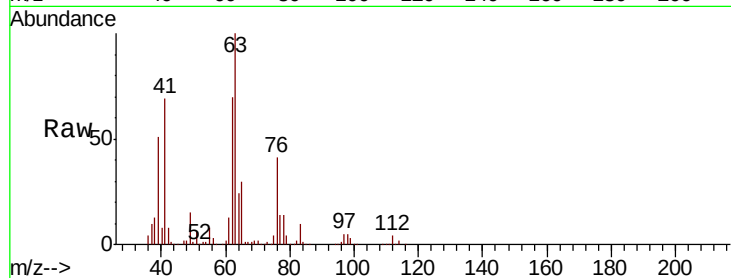




#45
 1,2-Dichloropropane
 Concen: 50.575 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

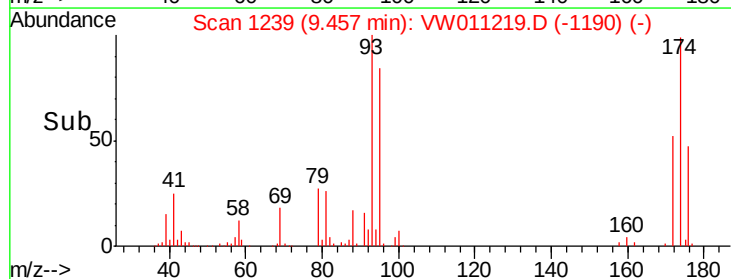
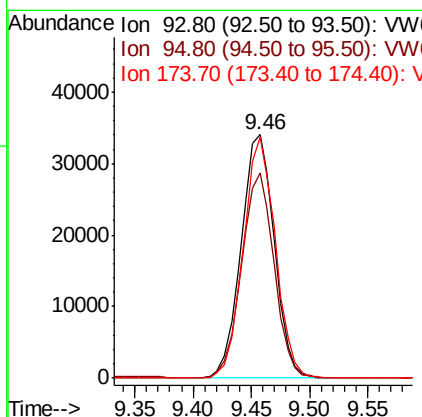
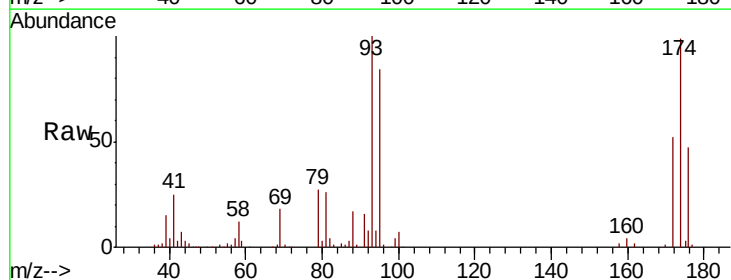
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

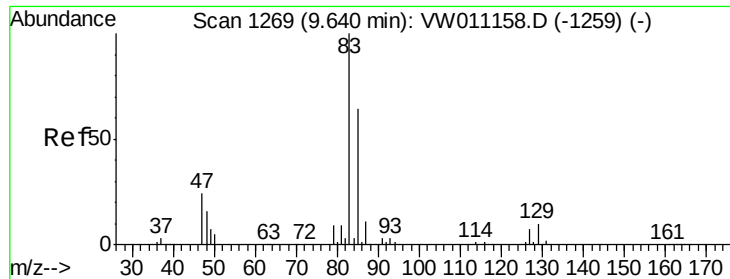
Tot Ion: 63 Resp: 152089
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6



#46
 Dibromomethane
 Concen: 47.961 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 93 Resp: 67752
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 95.3 76.3 114.5

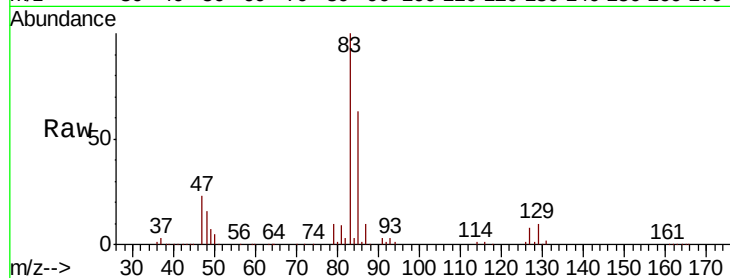




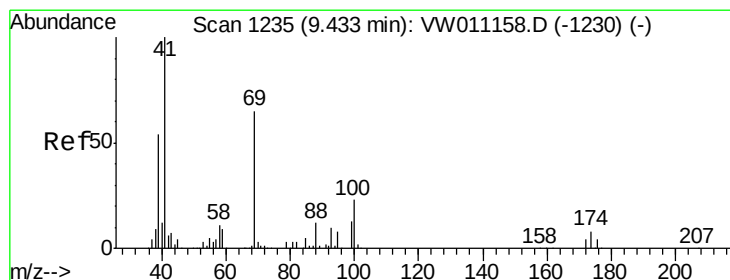
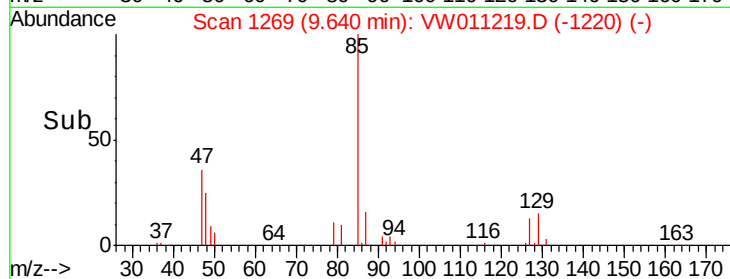
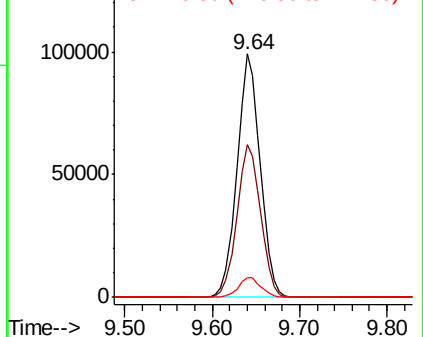
#47
 Bromodichloromethane
 Concen: 50.450 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	182351
Ion Ratio	100		
Lower	51.0		
Upper	76.4		
85	62.7		
127	7.8		
	6.0		
	9.0		

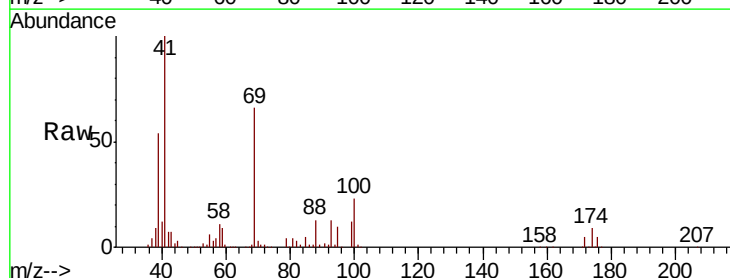


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

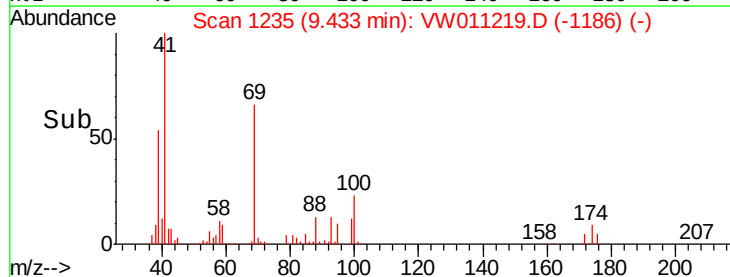
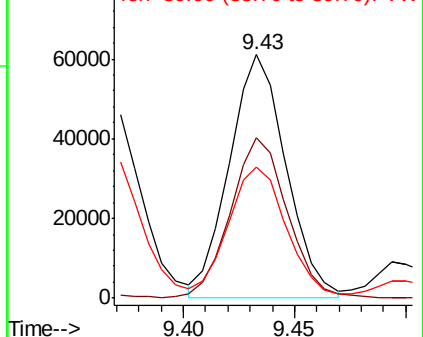


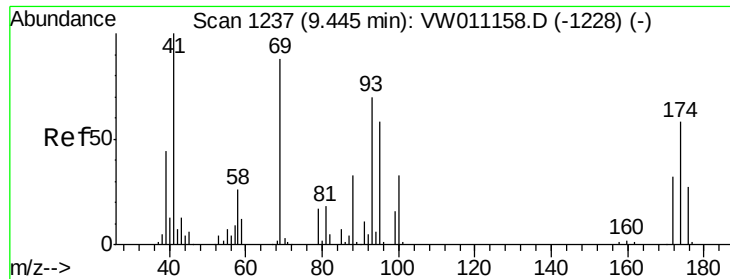
#48
 Methyl methacrylate
 Concen: 49.182 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion	41	Resp	107852
Ion Ratio	100		
Lower	56.0		
Upper	84.0		
69	66.5		
39	51.7		
	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: 896.971 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

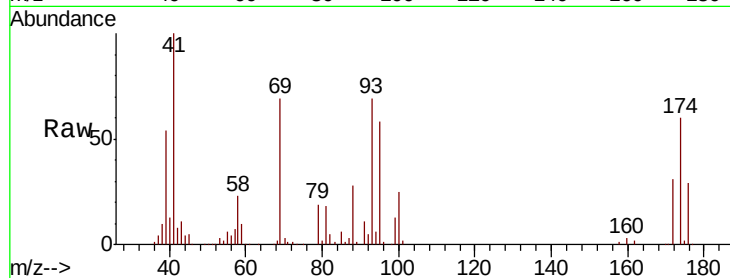
Tot Ion: 88 Resp: 21150

Ion Ratio Lower Upper

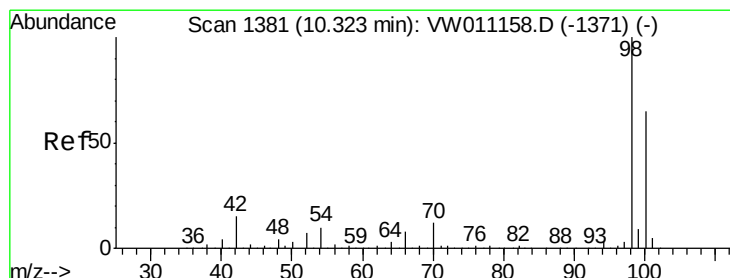
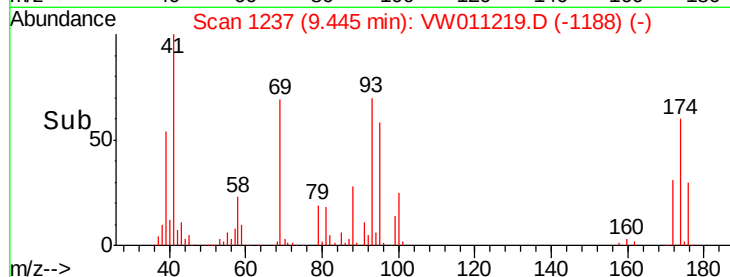
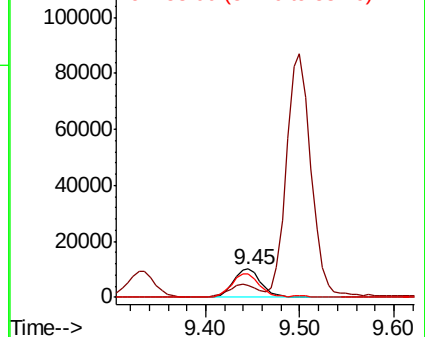
88 100

43 43.2 33.4 50.0

58 81.6 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: 50.523 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011219.D

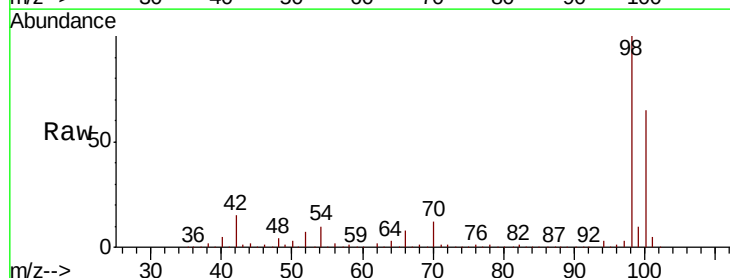
Acq: 11 Jul 2019 10:25

Tgt Ion: 98 Resp: 459312

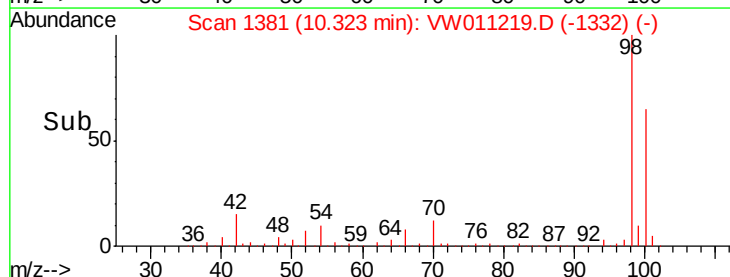
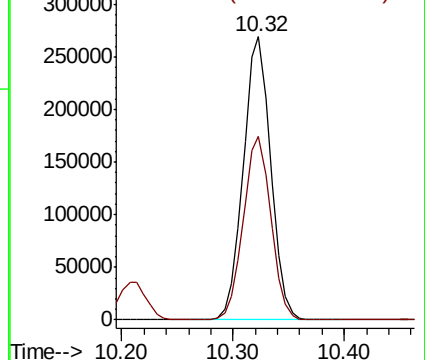
Ion Ratio Lower Upper

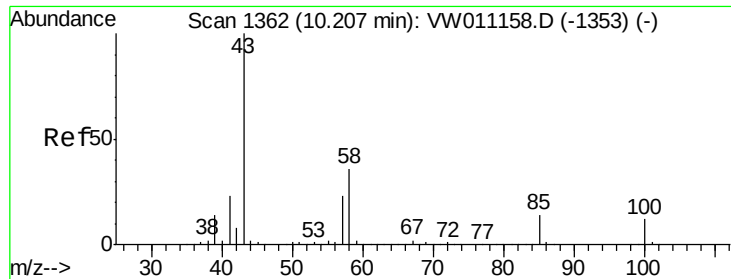
98 100

100 65.1 52.4 78.6



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

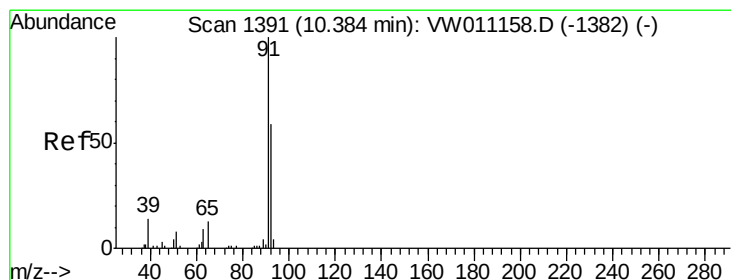
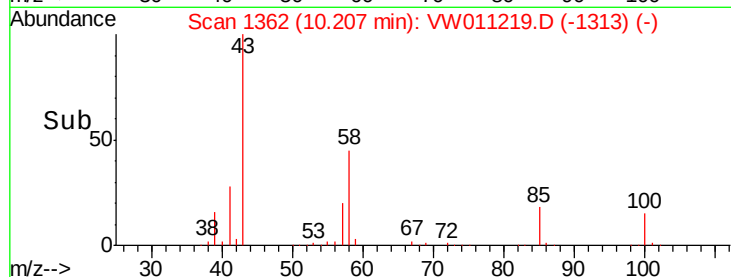
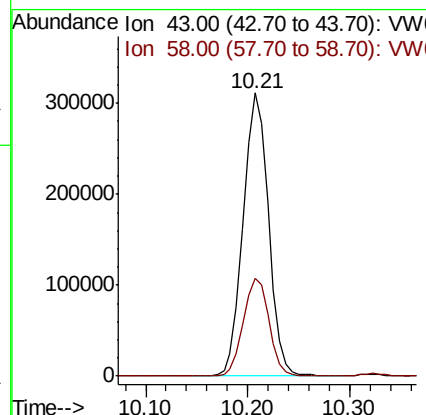
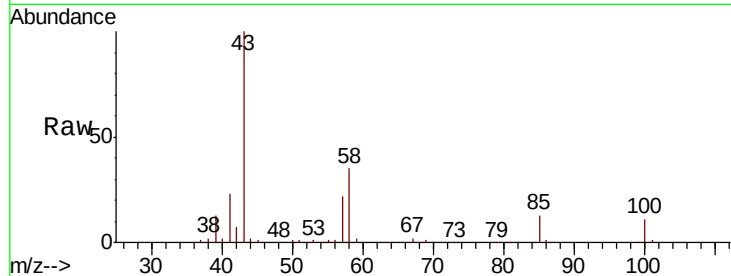




#51
 4-Methyl-2-Pentanone
 Concen: 224.955 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

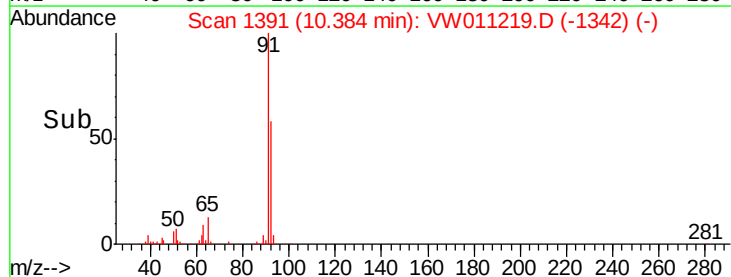
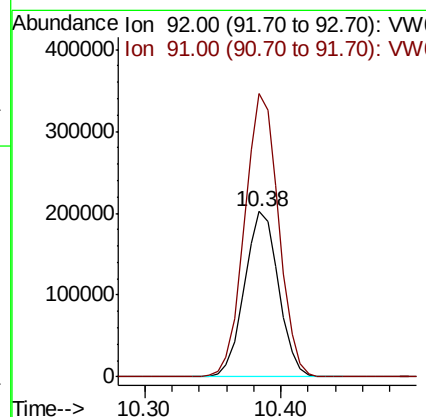
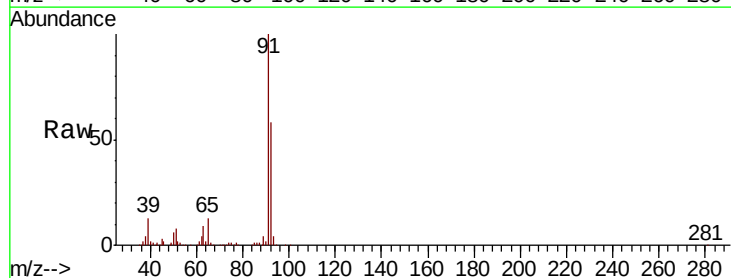
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

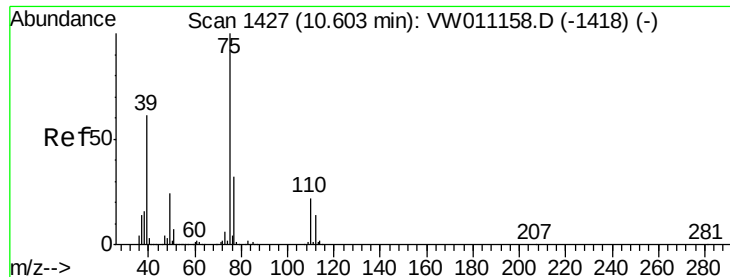
Tot Ion: 43 Resp: 535633
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.2 42.2



#52
 Toluene
 Concen: 52.327 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 92 Resp: 352496
 Ion Ratio Lower Upper
 92 100
 91 171.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 49.516 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

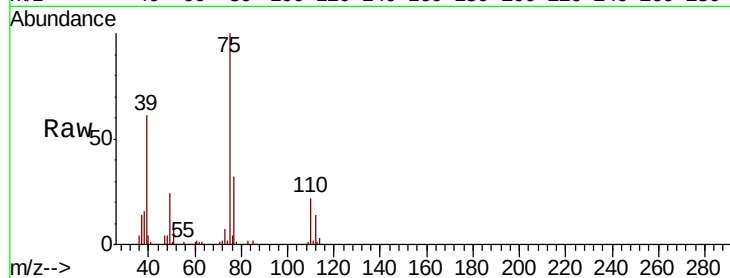
VSTDCCC050

Tot Ion: 75 Resp: 190507

Ion Ratio Lower Upper

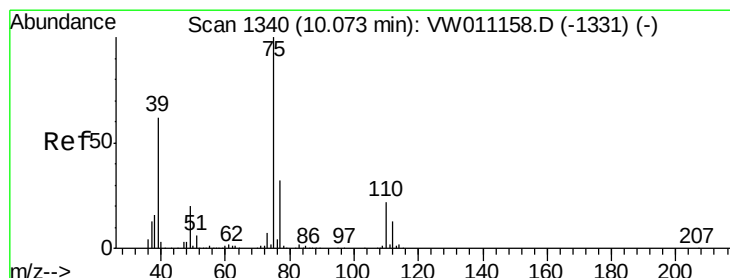
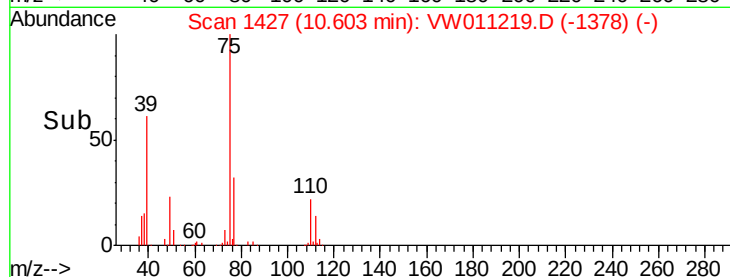
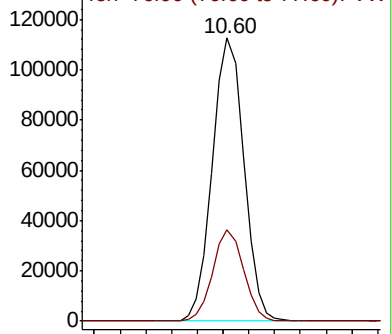
75 100

77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.233 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

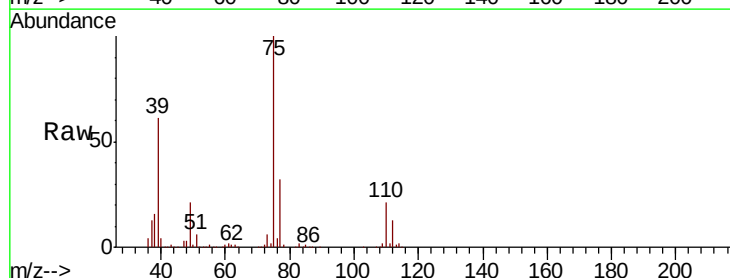
Tgt Ion: 75 Resp: 232010

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

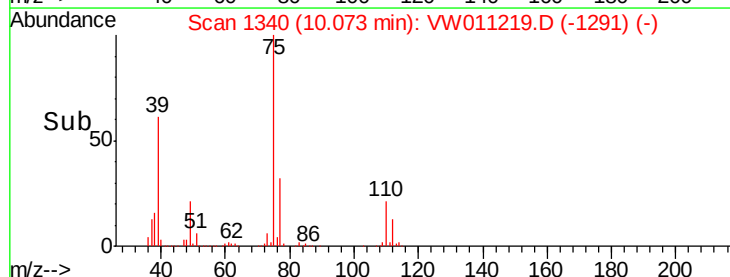
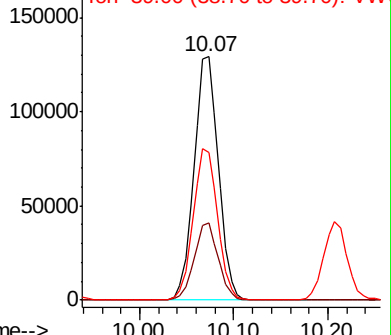
39 60.5 49.8 74.8

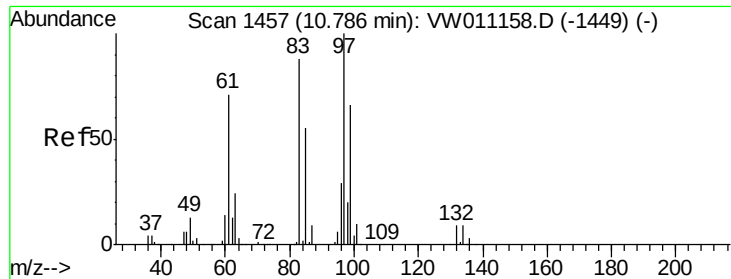


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

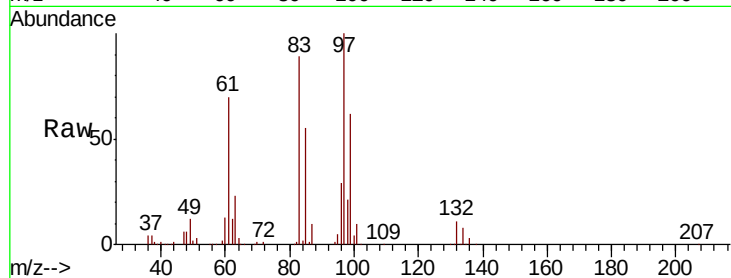




#55
 1,1,2-Trichloroethane
 Concen: 48.036 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	96267
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.2	105.4
85	55.3	44.2	66.2
99	61.6	52.6	79.0



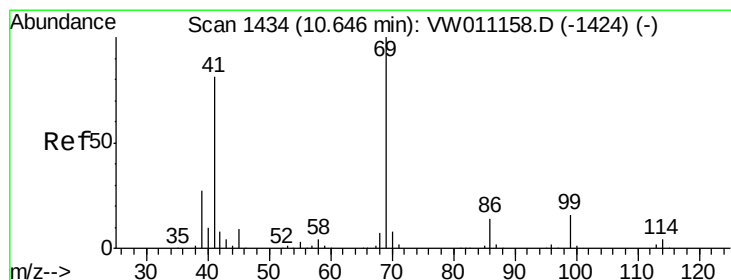
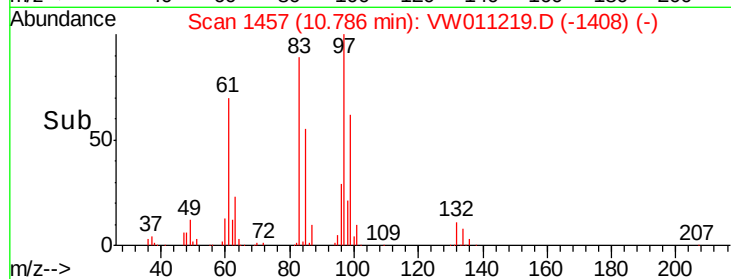
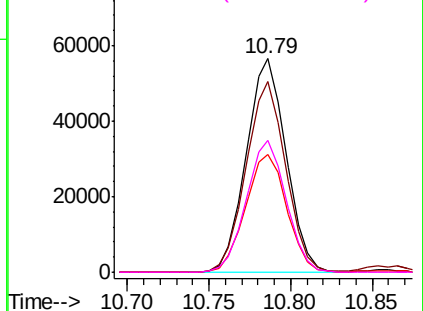
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

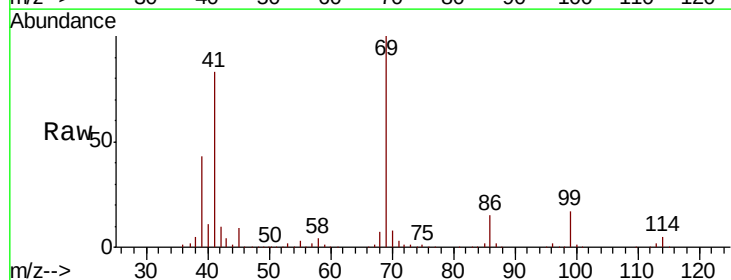
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 47.660 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion:	69	Resp:	145415
Ion	Ratio	Lower	Upper
69	100		
41	83.6	66.5	99.7
39	38.8	32.5	48.7

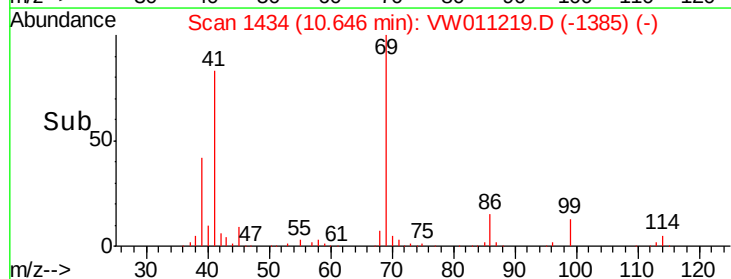
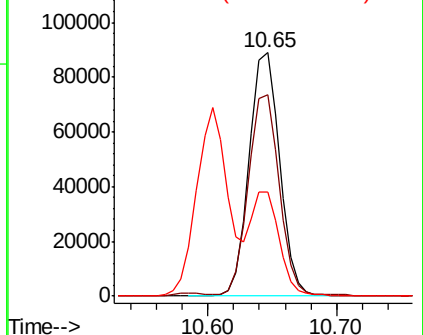


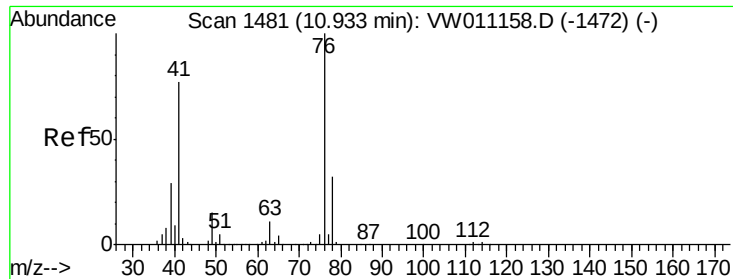
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

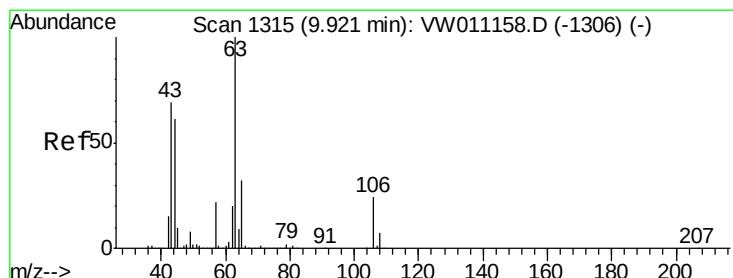
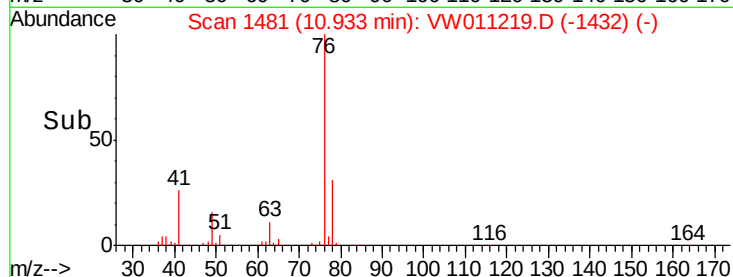
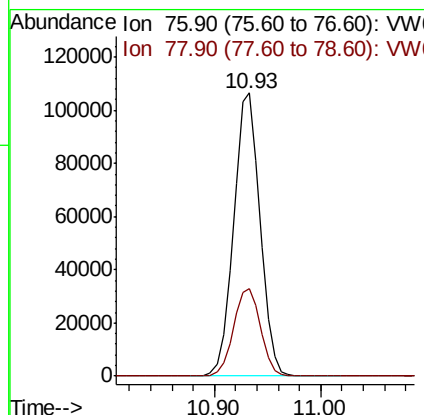
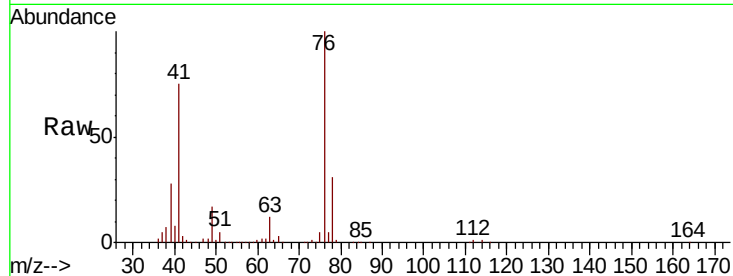




#57
 1,3-Dichloropropane
 Concen: 48.616 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

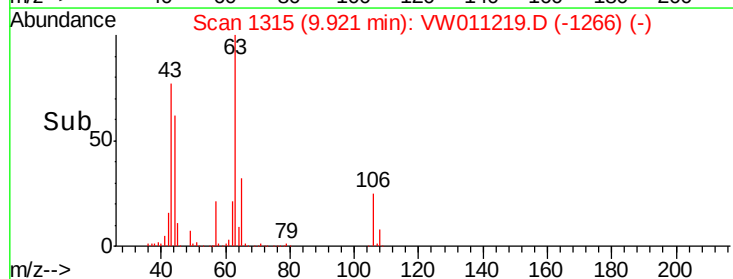
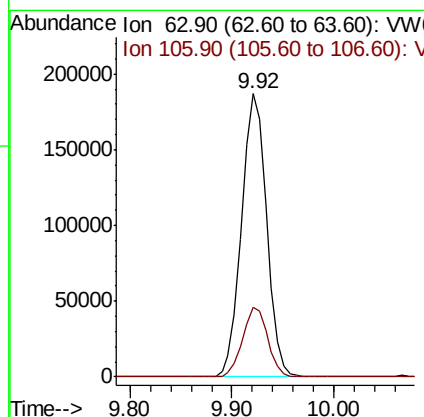
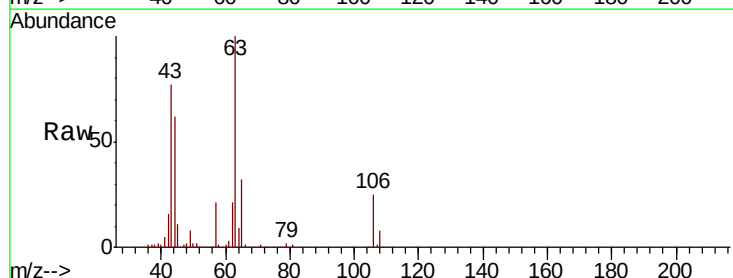
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

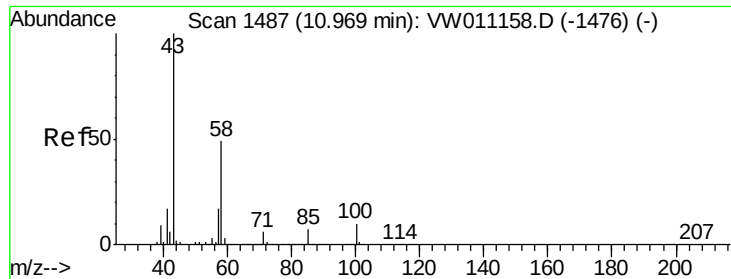
Tot Ion: 76 Resp: 184238
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.950 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 63 Resp: 316777
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0

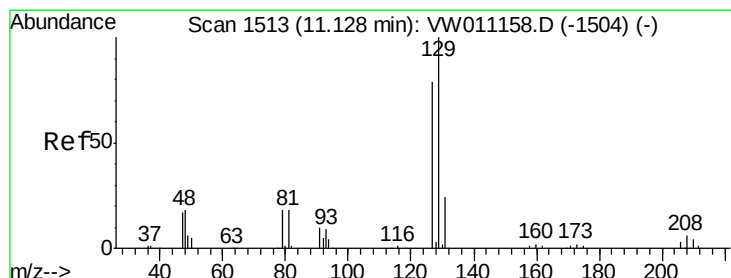
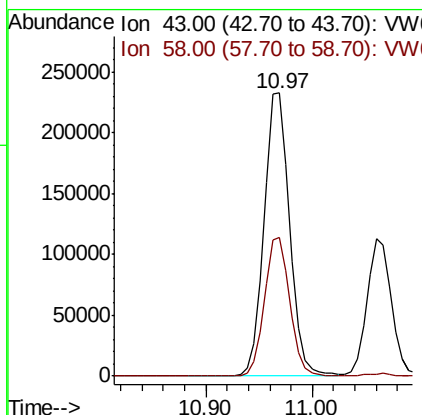
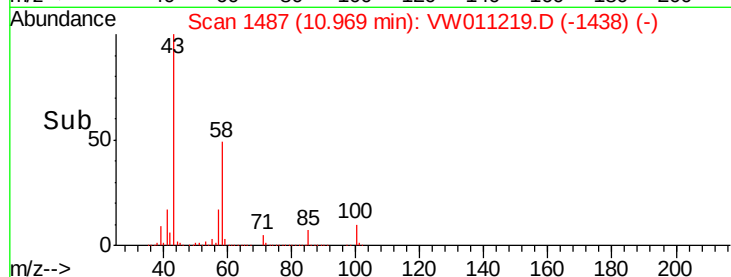
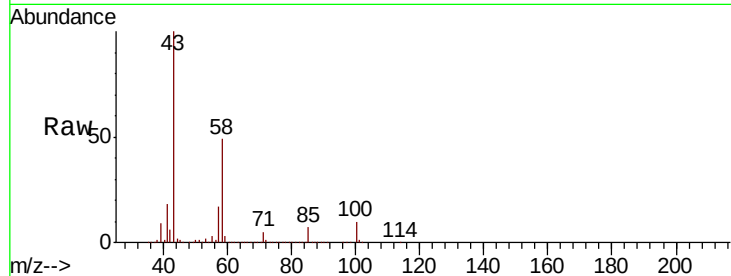




#59
2-Hexanone
Concen: 237.083 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

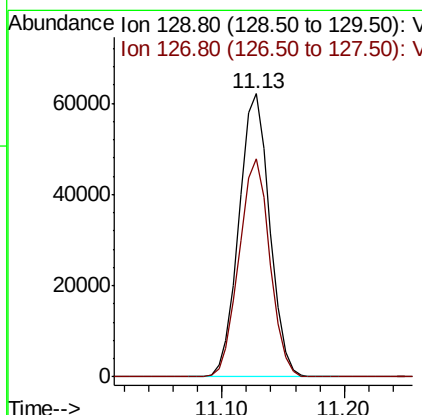
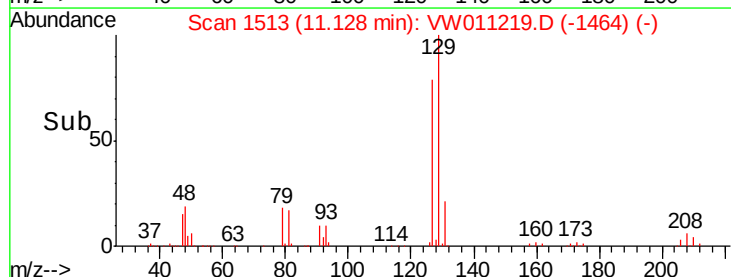
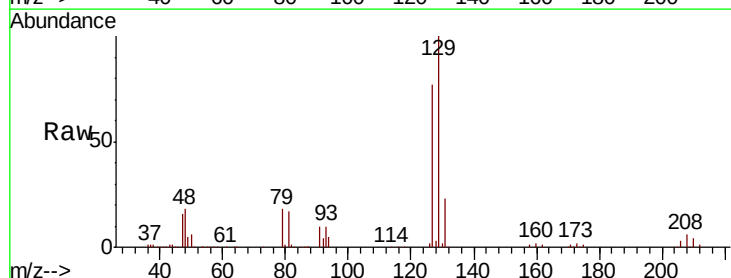
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

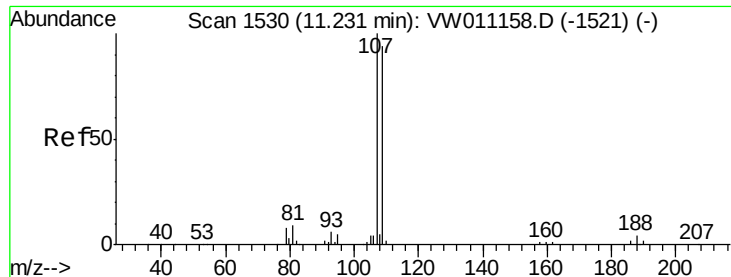
Tot Ion: 43 Resp: 391489
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4



#60
Dibromochloromethane
Concen: 49.208 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 129 Resp: 108139
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3

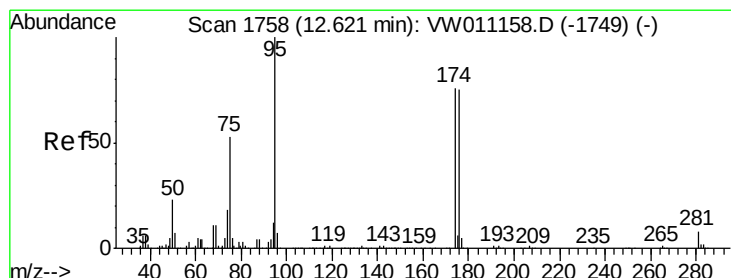
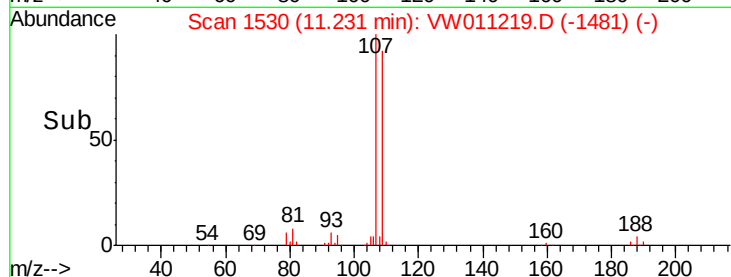
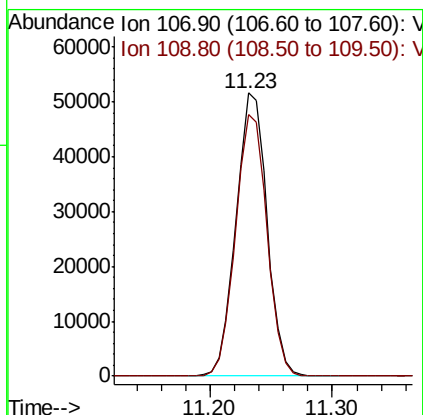
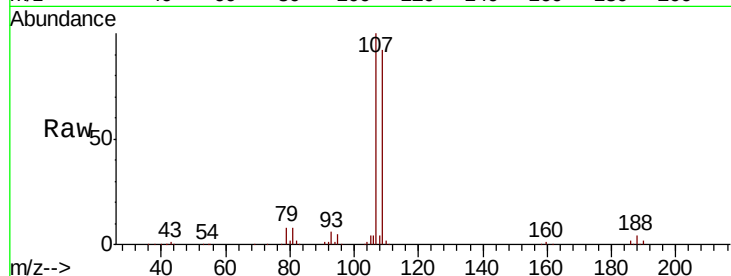




#61
 1,2-Dibromoethane
 Concen: 47.760 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

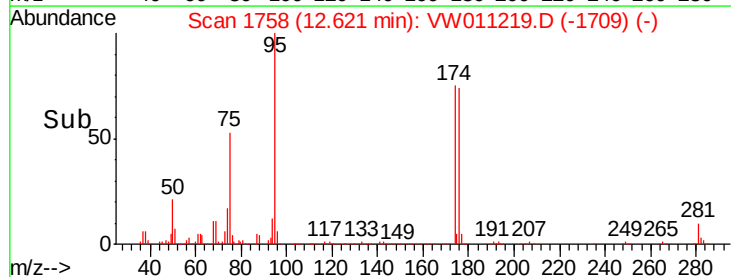
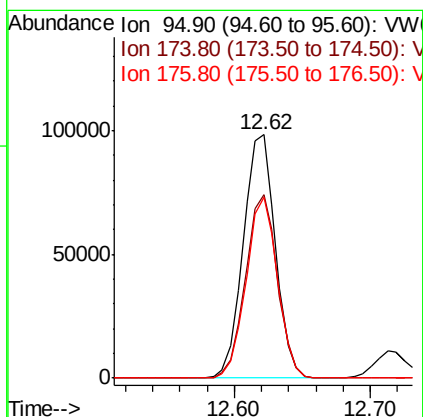
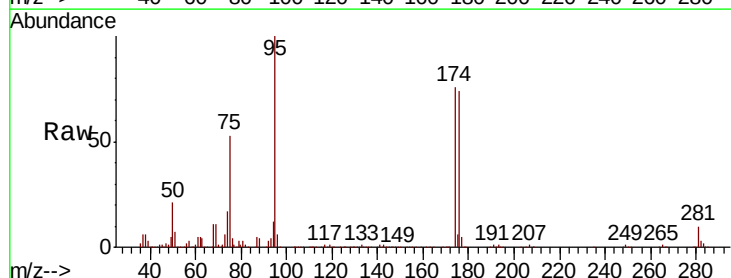
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

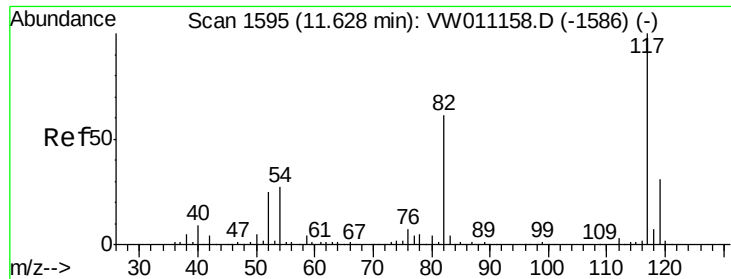
Tot Ion:107 Resp: 90662
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.658 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion: 95 Resp: 162141
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 147.6
 176 72.9 0.0 144.6

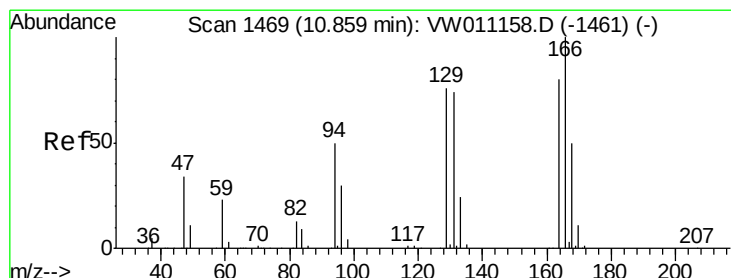
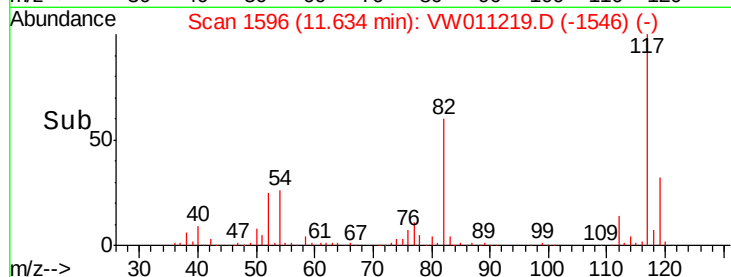
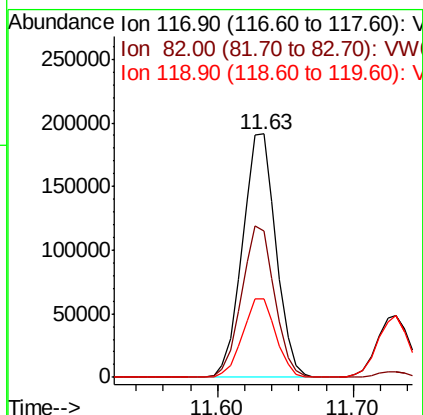
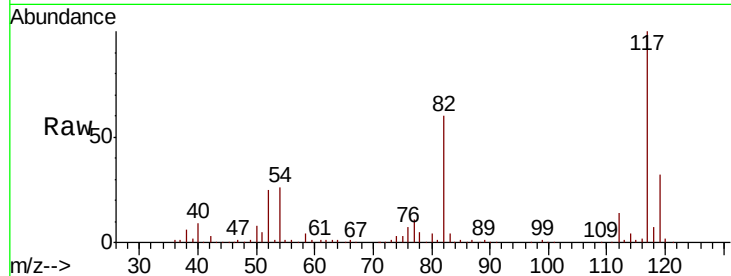




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

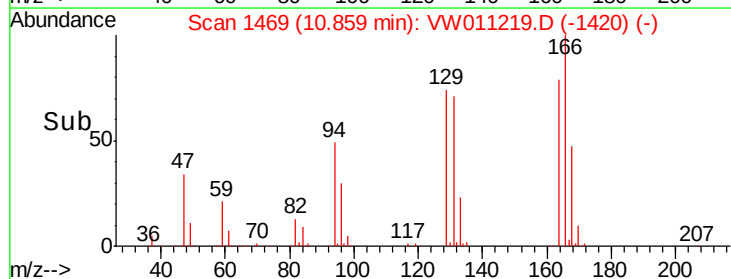
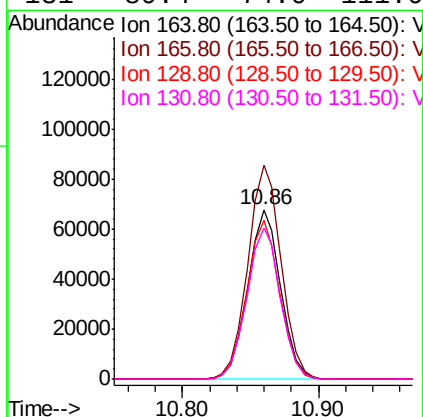
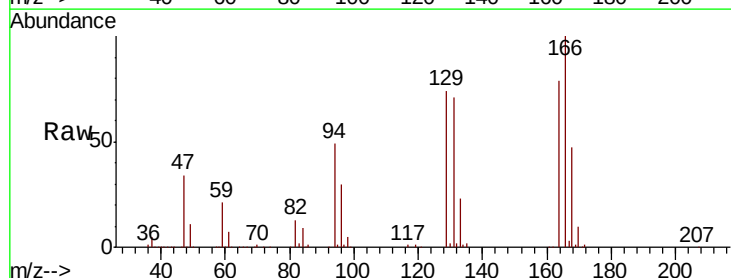
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

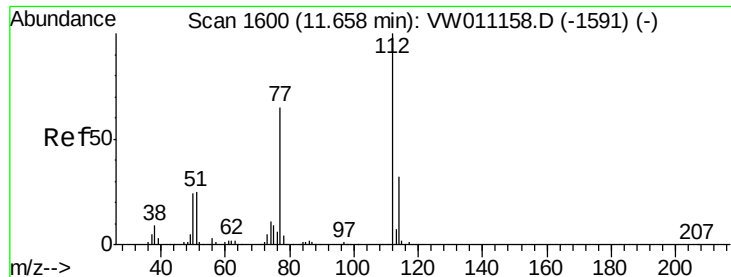
Tot Ion:117 Resp: 329262
Ion Ratio Lower Upper
117 100
82 60.1 48.9 73.3
119 32.2 25.0 37.6



#64
Tetrachloroethene
Concen: 51.373 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion:164 Resp: 114140
Ion Ratio Lower Upper
164 100
166 126.1 99.7 149.5
129 93.9 76.2 114.2
131 89.4 74.0 111.0

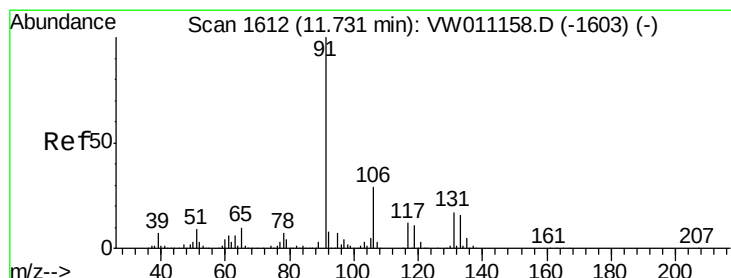
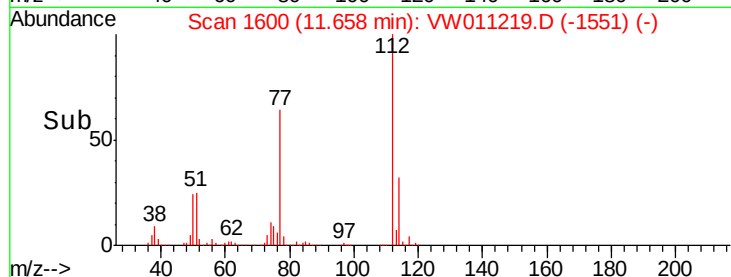
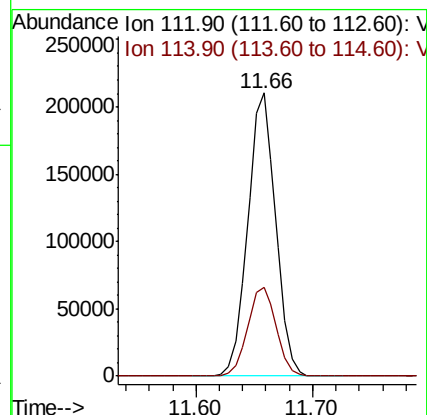
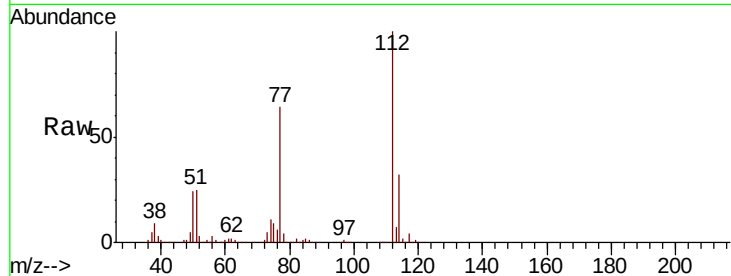




#65
Chlorobenzene
Concen: 52.273 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

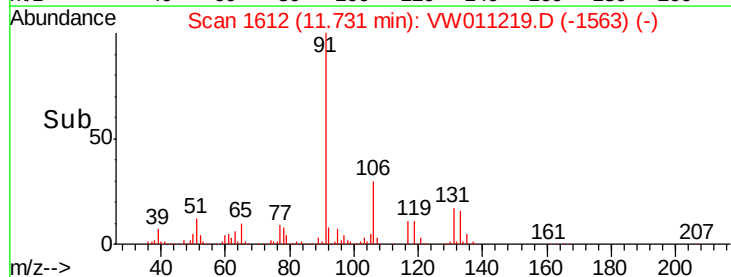
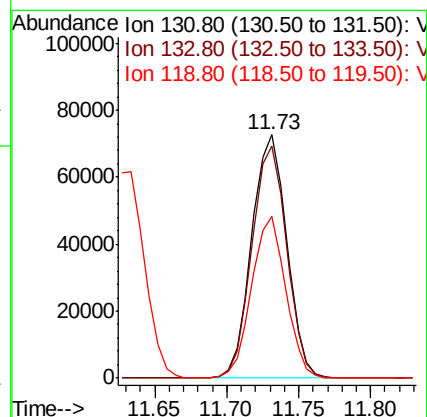
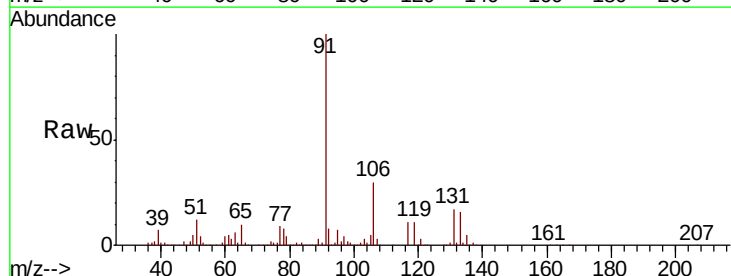
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

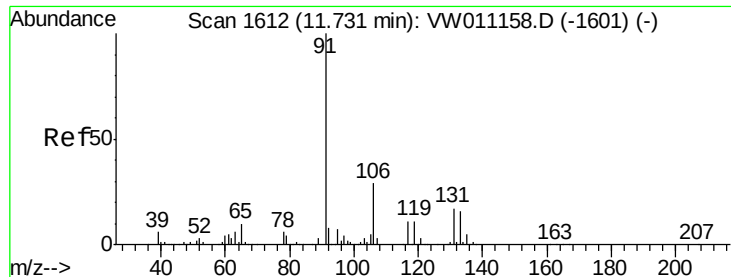
Tot Ion:112 Resp: 349931
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.677 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion:131 Resp: 121805
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 64.8 33.1 99.2

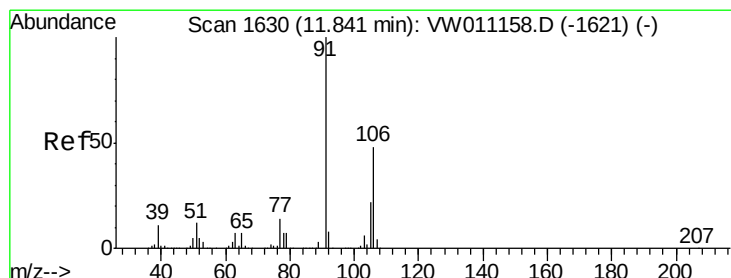
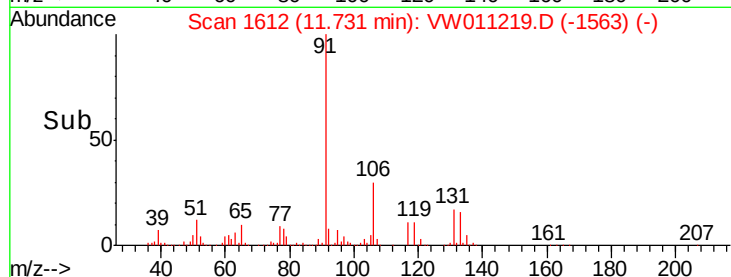
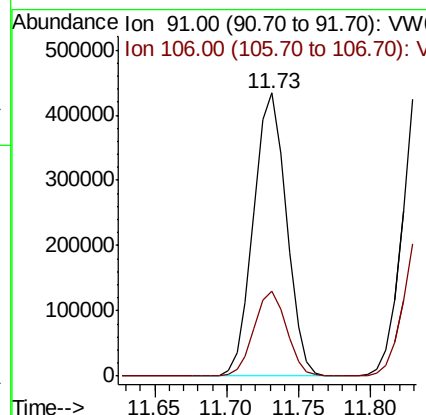
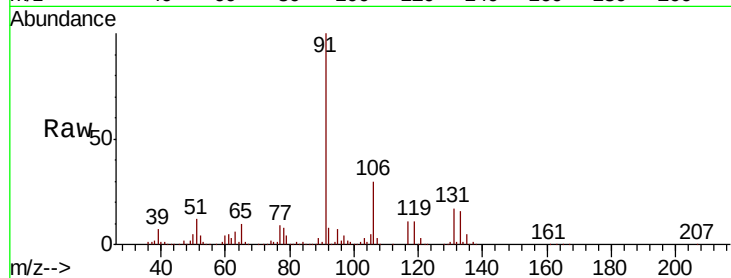




#67
Ethyl Benzene
Concen: 53.507 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

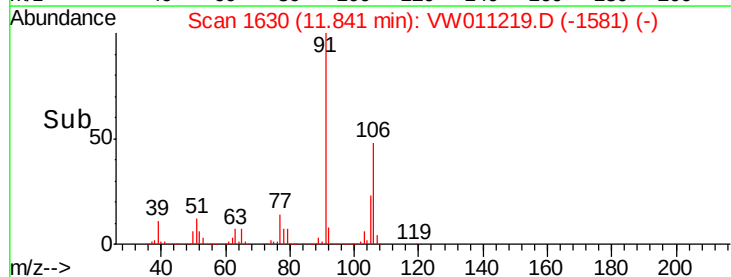
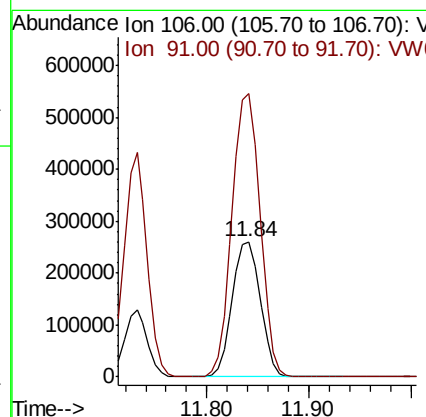
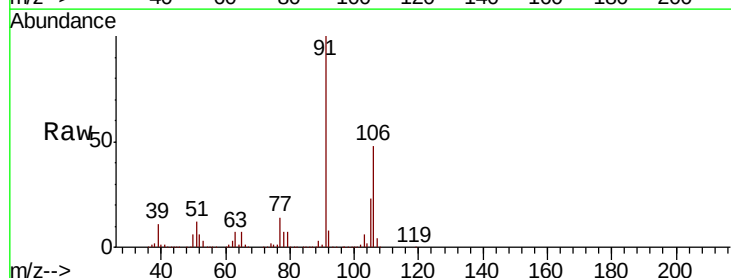
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

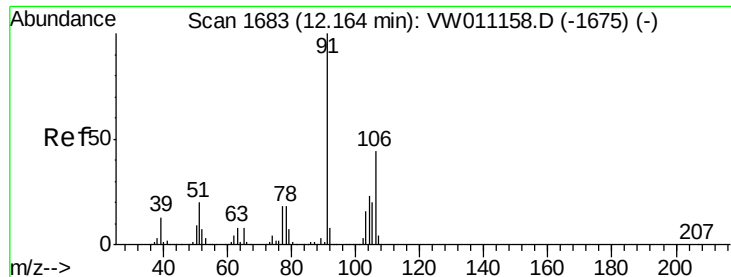
Tot Ion: 91 Resp: 685707
Ion Ratio Lower Upper
91 100
106 29.9 23.5 35.3



#68
m/p-Xylenes
Concen: 107.153 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 106 Resp: 496876
Ion Ratio Lower Upper
106 100
91 209.3 167.7 251.5

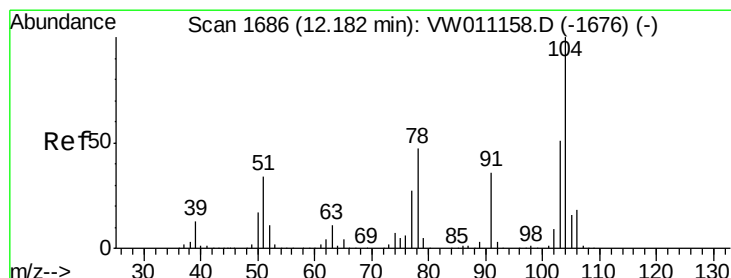
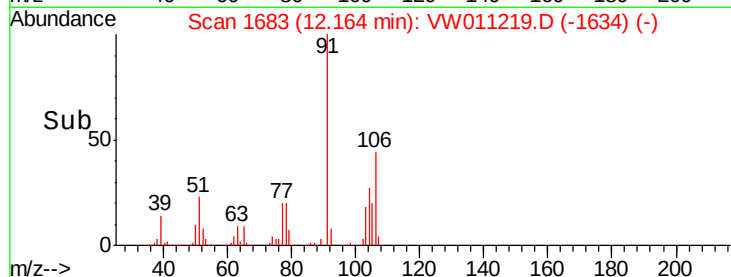
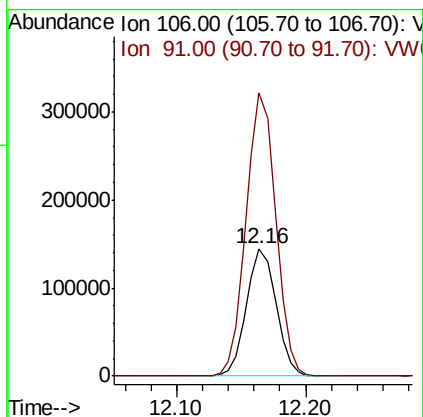
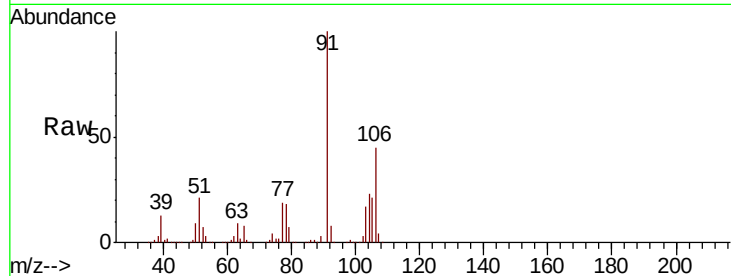




#69
o-Xylene
Concen: 52.541 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

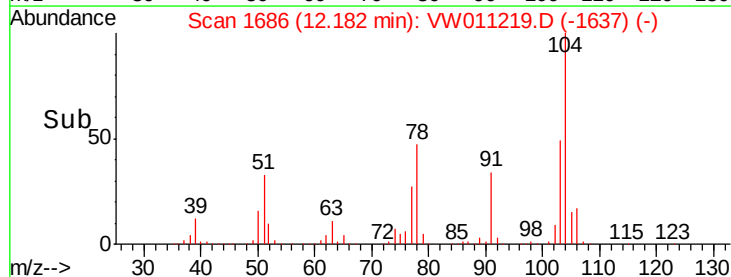
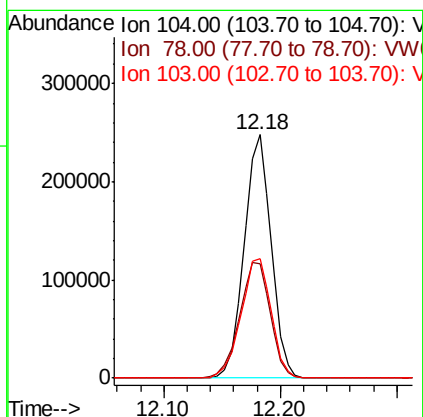
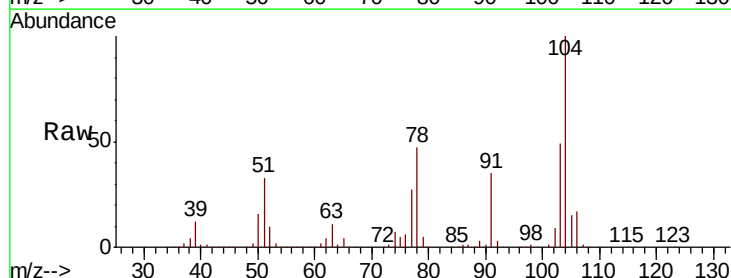
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

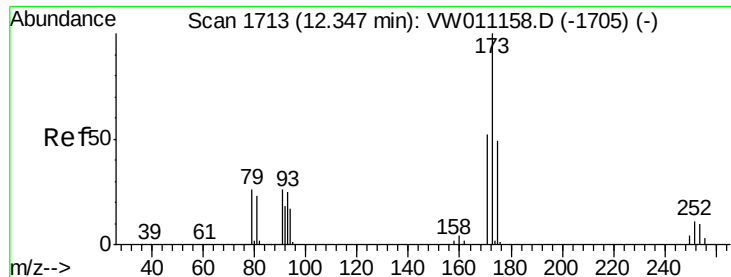
Tot Ion:106 Resp: 229634
Ion Ratio Lower Upper
106 100
91 222.7 110.7 332.1



#70
Styrene
Concen: 53.195 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion:104 Resp: 401238
Ion Ratio Lower Upper
104 100
78 54.1 43.1 64.7
103 54.7 44.1 66.1





#71

Bromoform

Concen: 46.486 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

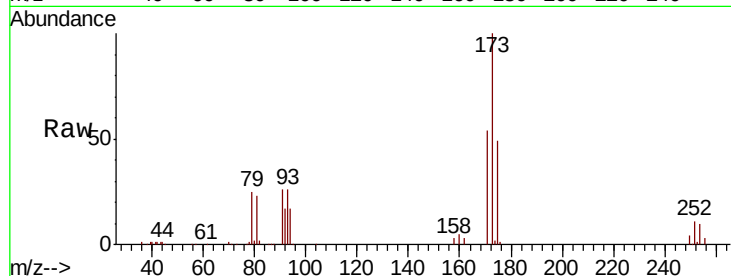
Tot Ion:173 Resp: 58257

Ion Ratio Lower Upper

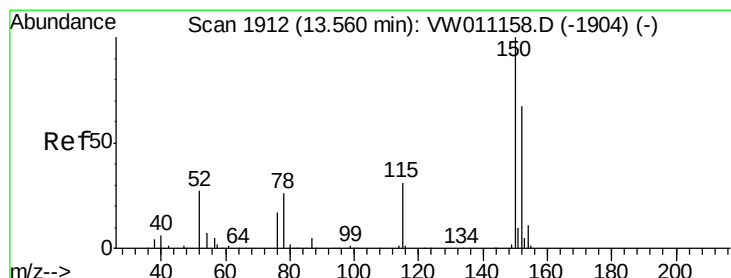
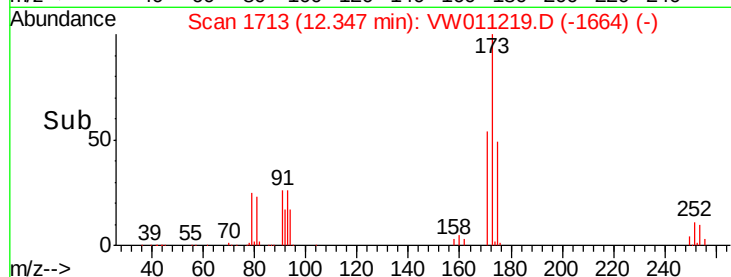
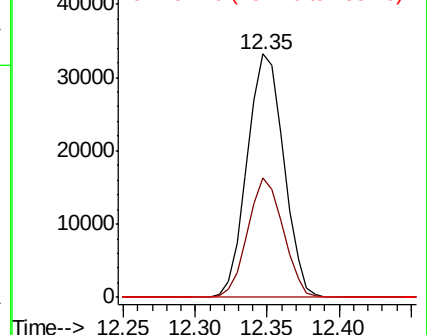
173 100

175 47.6 24.8 74.3

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

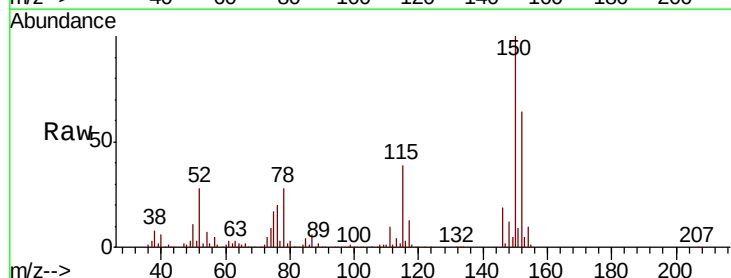
Tgt Ion:152 Resp: 157826

Ion Ratio Lower Upper

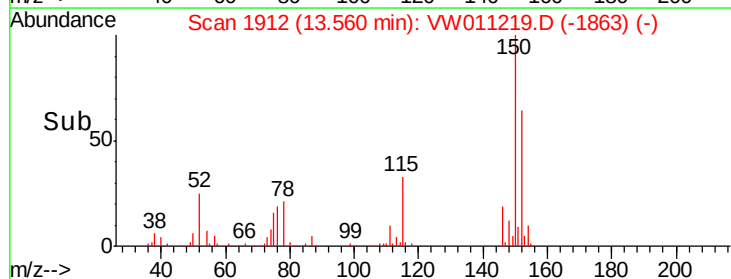
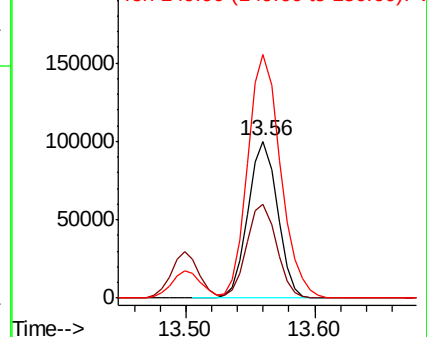
152 100

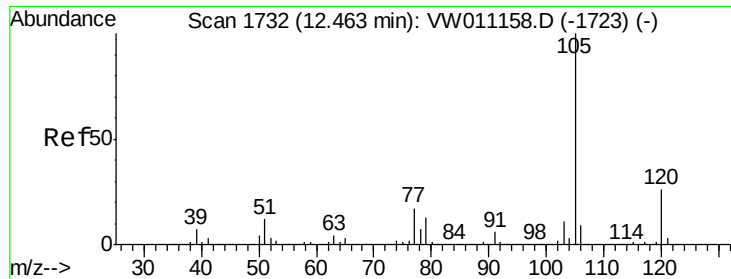
115 60.7 30.1 90.3

150 173.4 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: 54.904 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

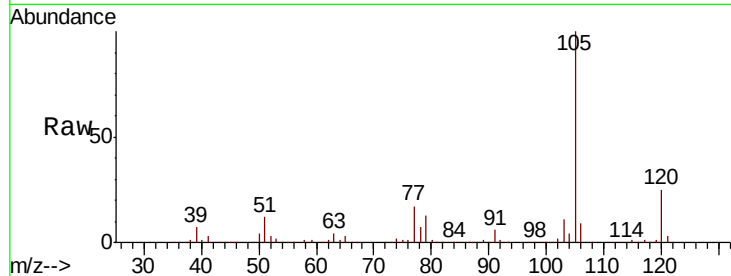
VSTDCCC050

Tot Ion:105 Resp: 647757

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

200000

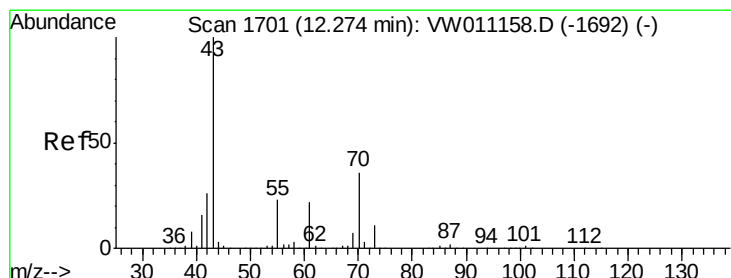
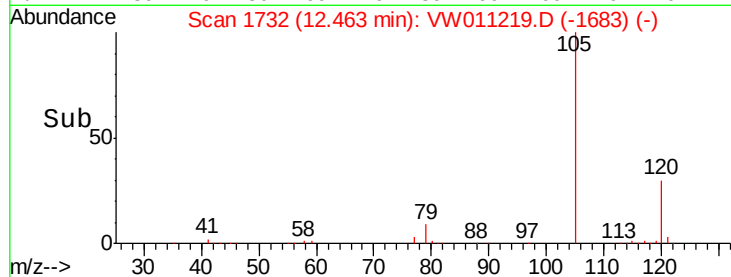
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 47.796 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Tgt Ion: 43 Resp: 196393

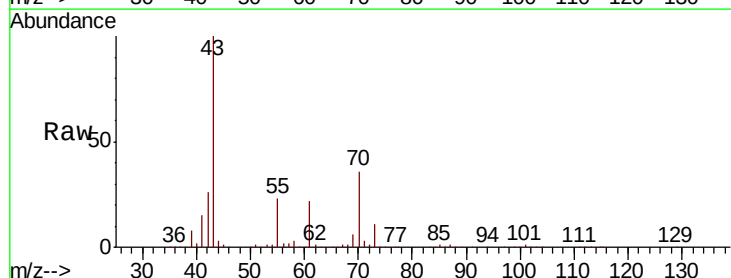
Ion Ratio Lower Upper

43 100

70 36.1 28.5 42.7

55 22.7 18.1 27.1

61 21.7 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

200000

150000

100000

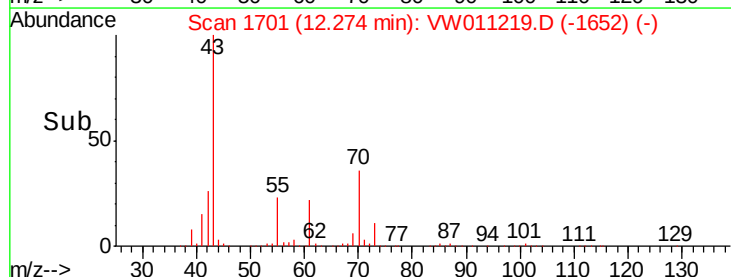
50000

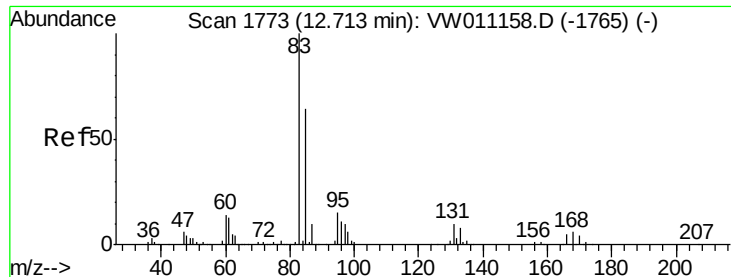
0

Time-->

12.20

12.30

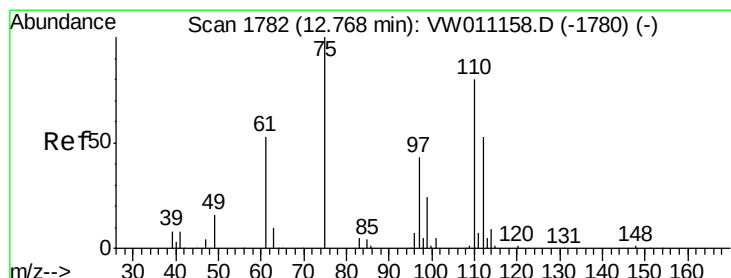
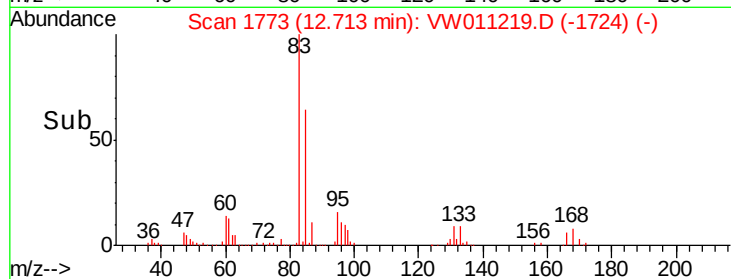
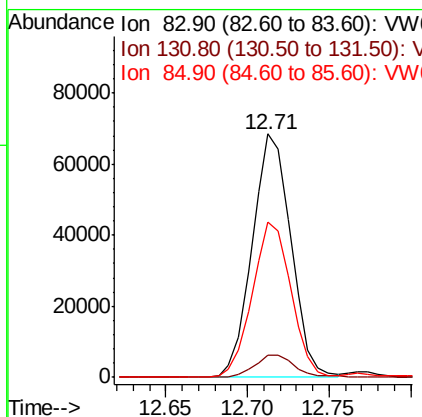
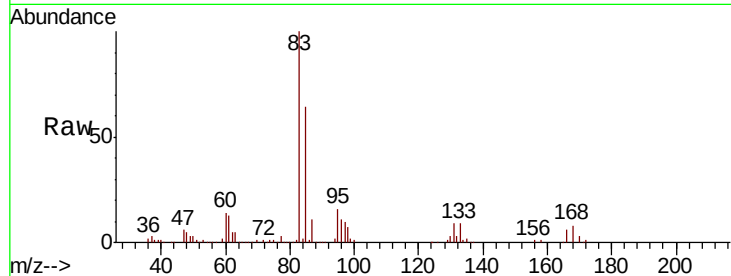




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.853 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

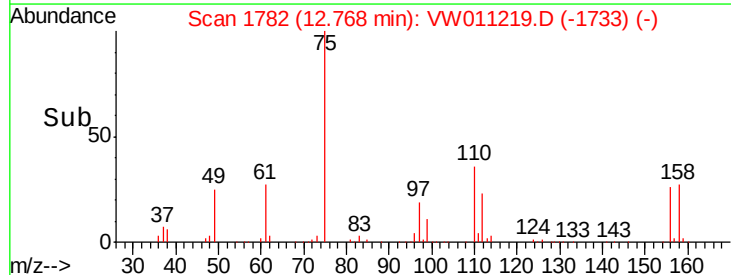
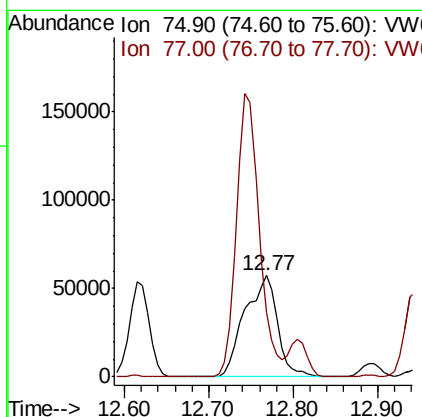
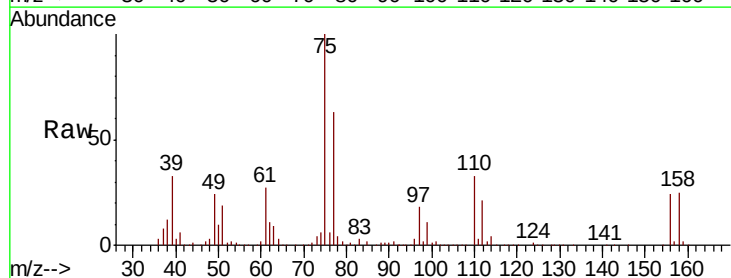
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

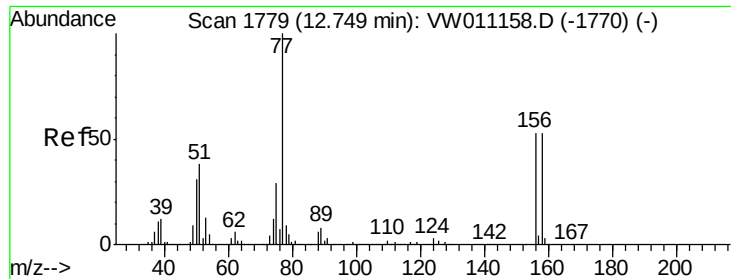
Tot Ion	83	Resp	113312
Ion Ratio	100		
Lower	5.0		
Upper	15.0		
85	63.9	31.6	94.8



#76
 1,2,3-Trichloropropane
 Concen: 82.739 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion	75	Resp	150907
Ion Ratio	100		
Lower	0.0		
Upper	0.0		
77	0.0	0.0	0.0

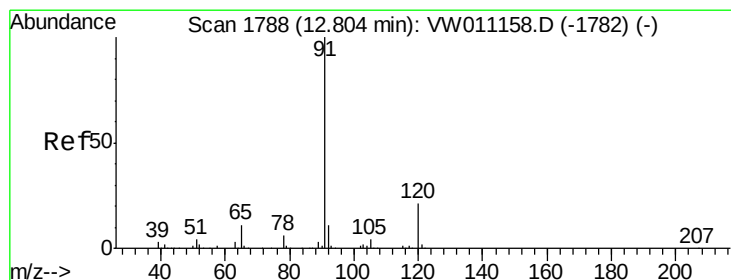
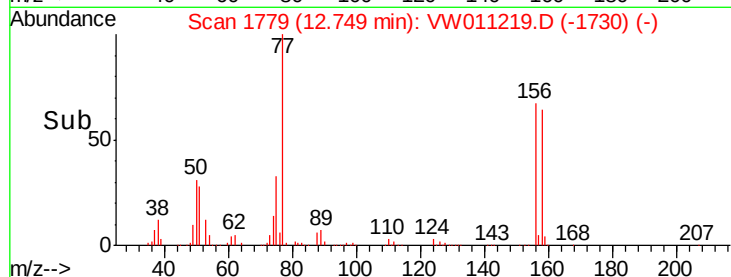
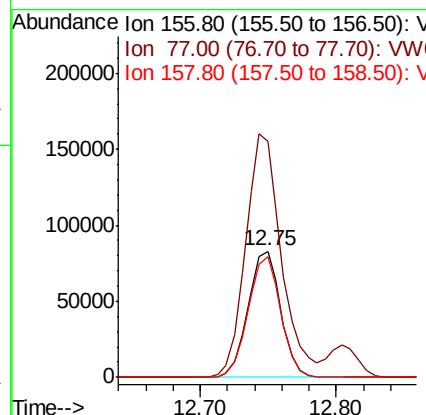
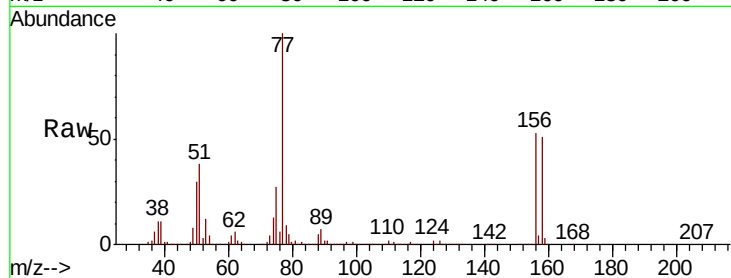




#77
Bromobenzene
Concen: 52.598 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

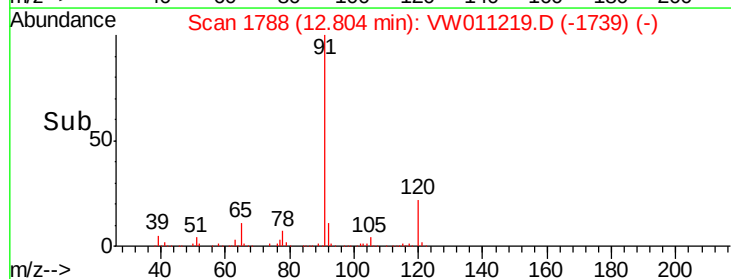
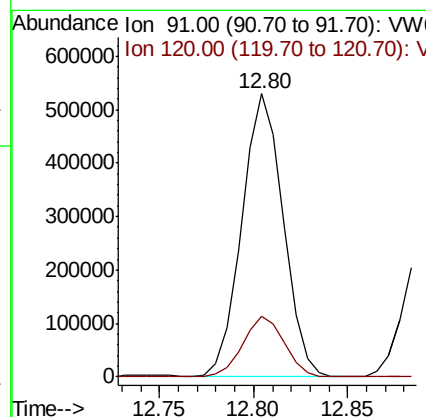
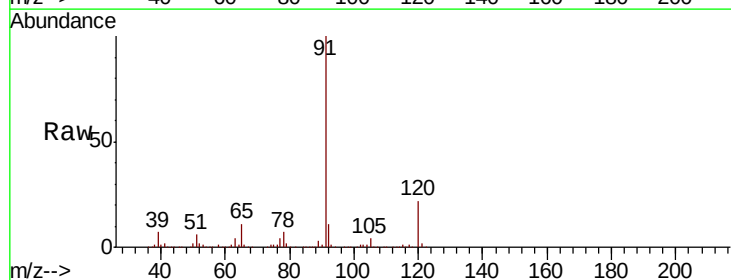
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

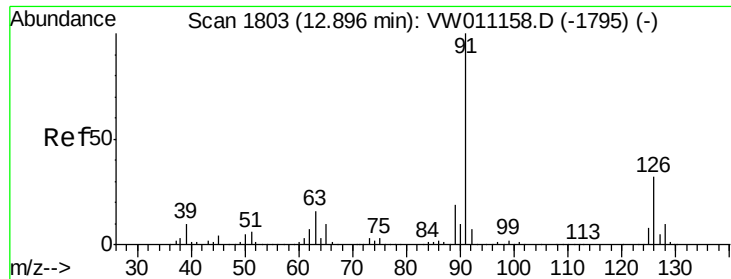
Tot Ion:156 Resp: 139265
Ion Ratio Lower Upper
156 100
77 210.5 109.0 327.0
158 95.1 48.8 146.3



#78
n-propylbenzene
Concen: 55.399 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 91 Resp: 805149
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.3





#79

2-Chlorotoluene

Concen: 54.057 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

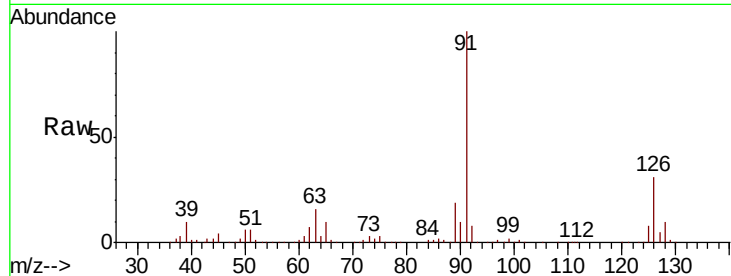
VSTDCCC050

Tot Ion: 91 Resp: 452097

Ion Ratio Lower Upper

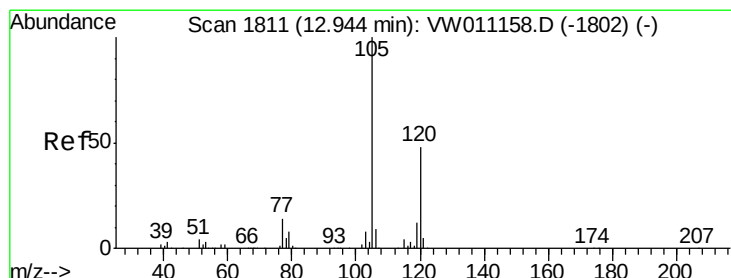
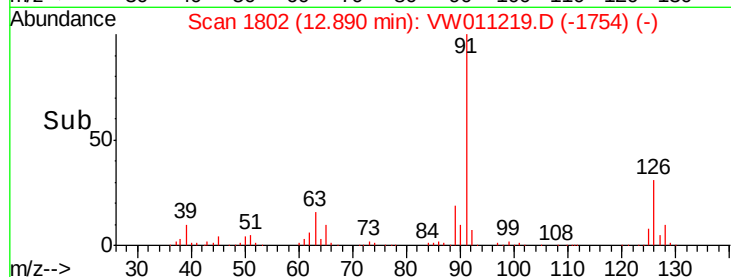
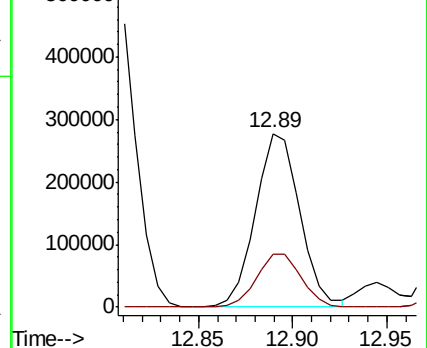
91 100

126 31.1 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: 54.463 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011219.D

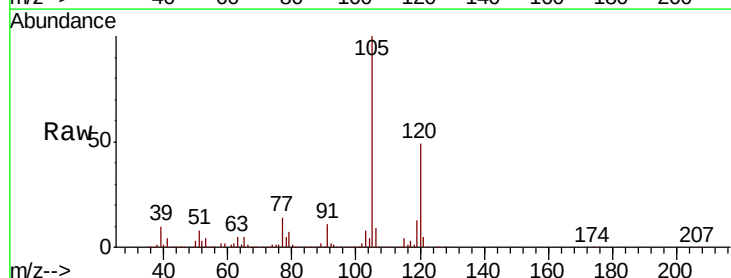
Acq: 11 Jul 2019 10:25

Tgt Ion:105 Resp: 545889

Ion Ratio Lower Upper

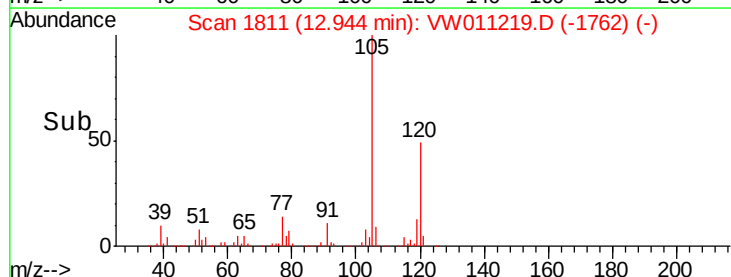
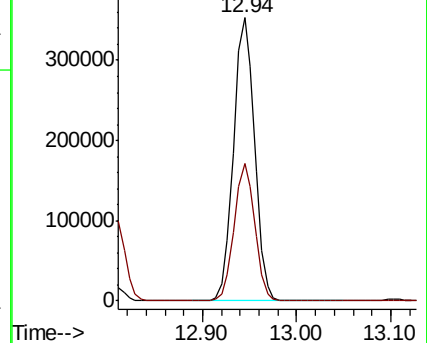
105 100

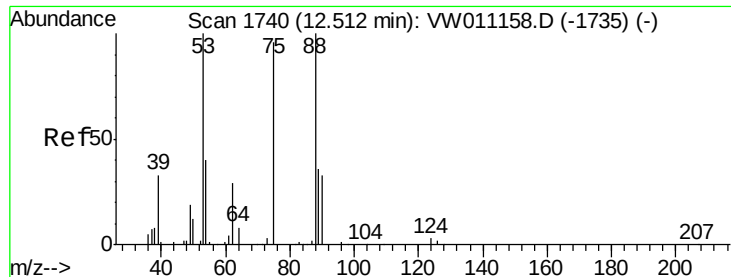
120 47.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

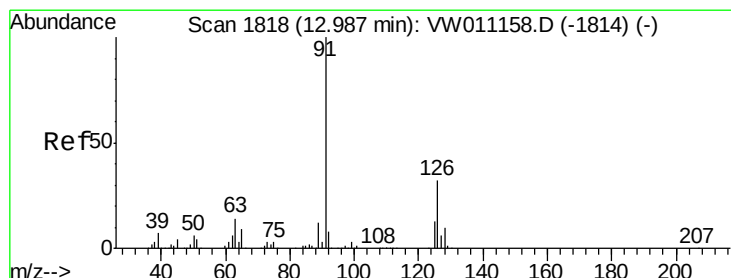
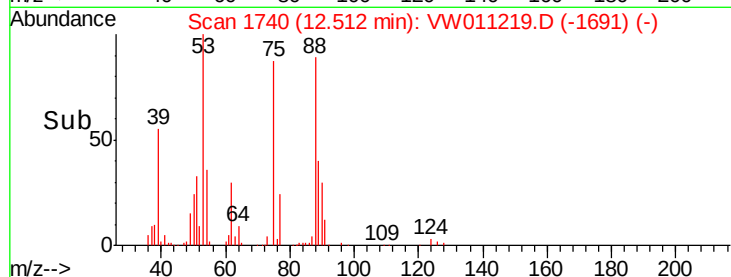
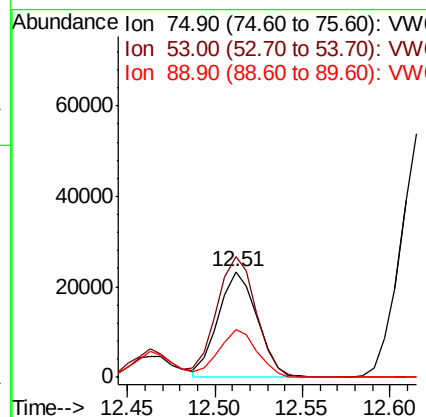
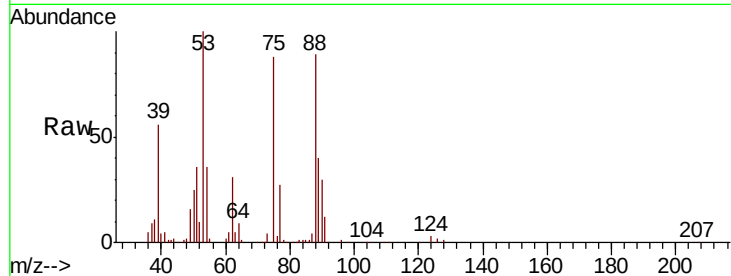




#81
trans-1,4-Dichloro-2-butene
Concen: 44.935 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

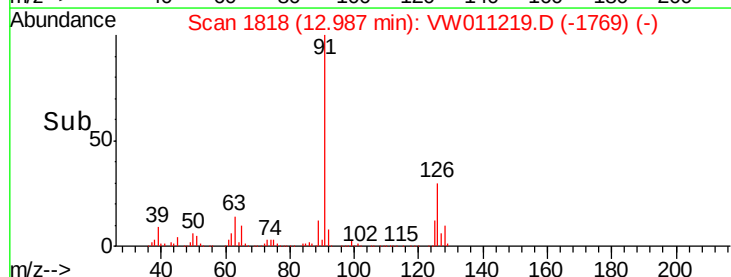
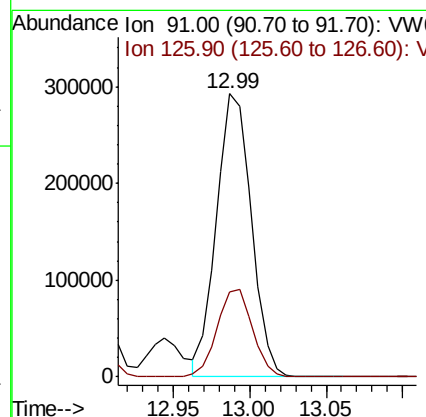
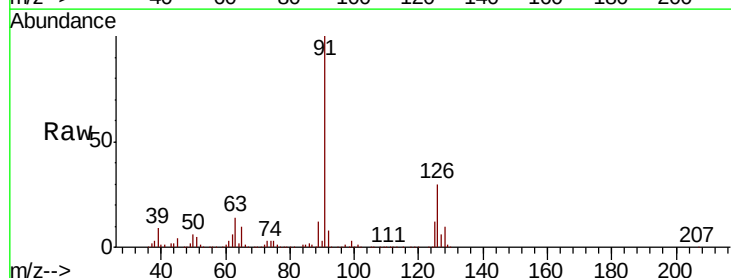
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

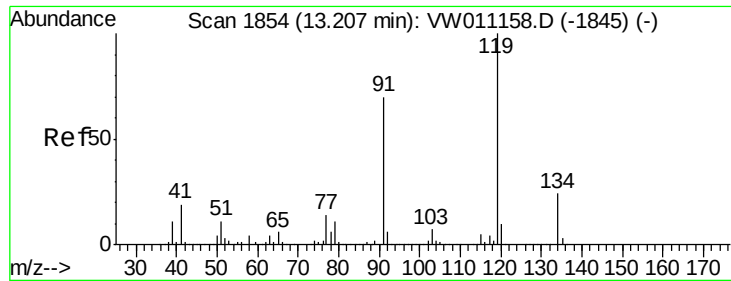
Tot Ion: 75 Resp: 36235
Ion Ratio Lower Upper
75 100
53 116.7 89.8 134.6
89 45.0 34.3 51.5



#82
4-Chlorotoluene
Concen: 53.362 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011219.D
Acq: 11 Jul 2019 10:25

Tgt Ion: 91 Resp: 464837
Ion Ratio Lower Upper
91 100
126 31.5 15.7 47.1

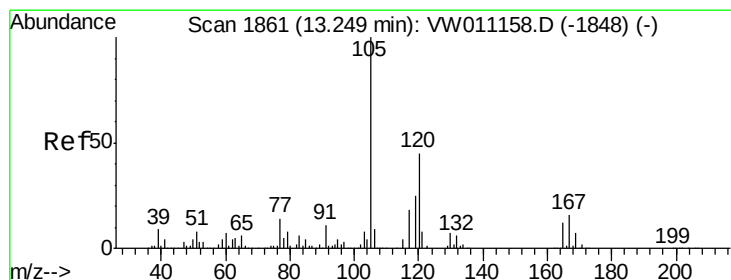
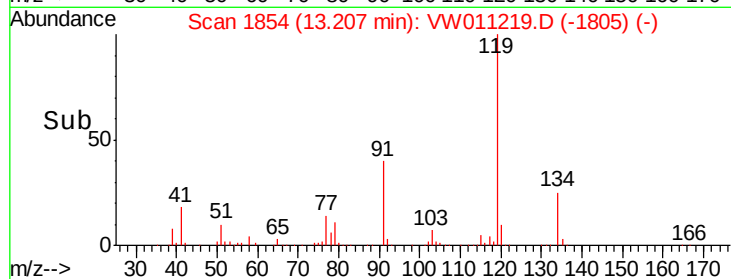
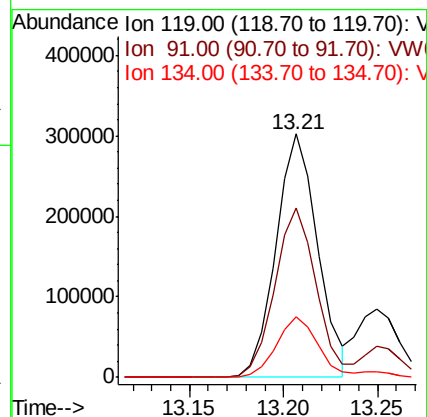
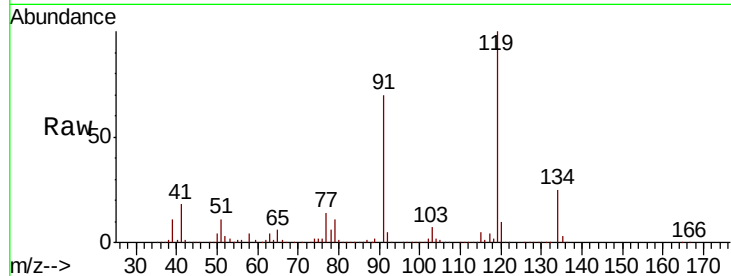




#83
 tert-Butylbenzene
 Concen: 55.469 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

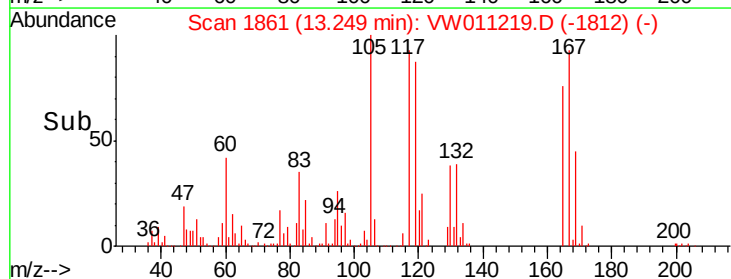
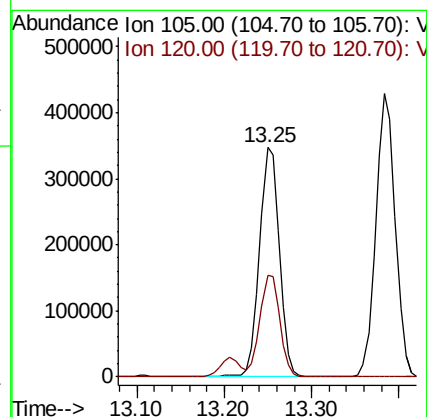
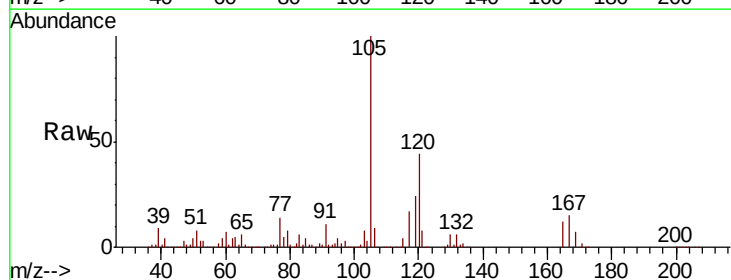
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

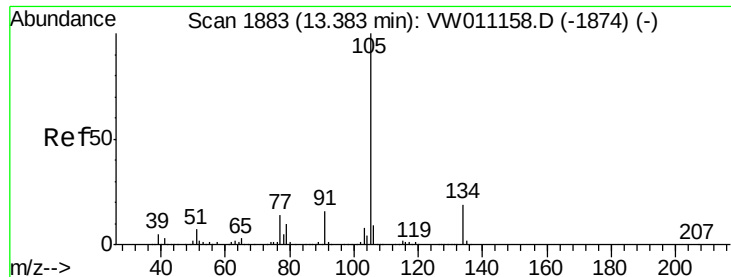
Tot Ion:119 Resp: 463679
 Ion Ratio Lower Upper
 119 100
 91 70.0 35.4 106.3
 134 26.6 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 54.331 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion:105 Resp: 546805
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.9

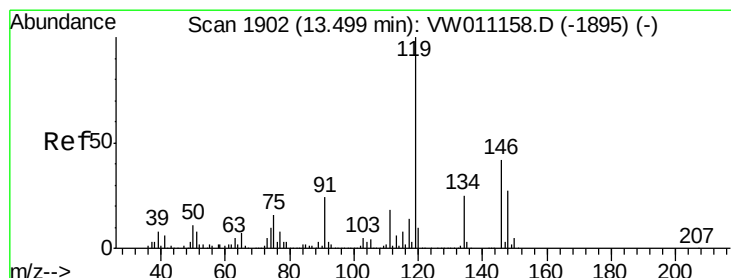
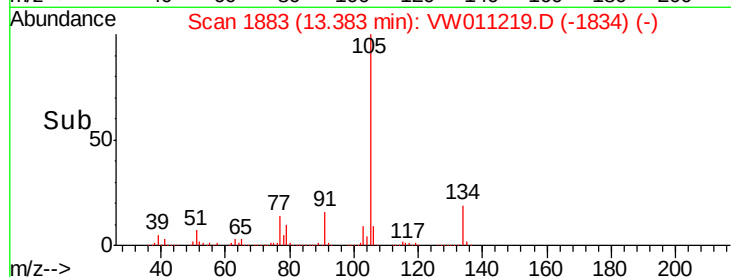
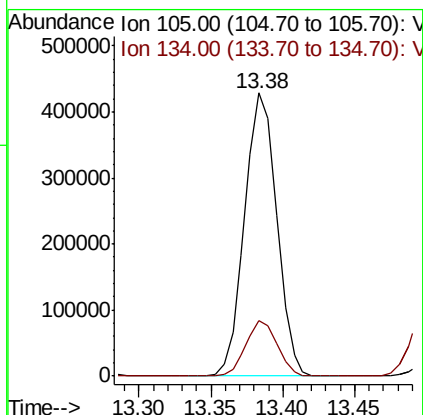
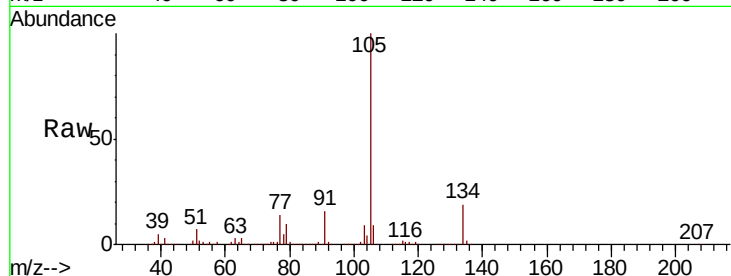




#85
 sec-Butylbenzene
 Concen: 54.894 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

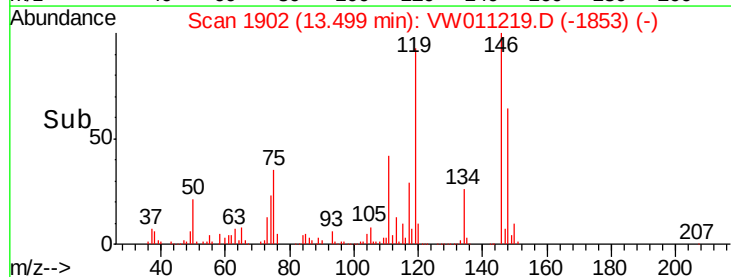
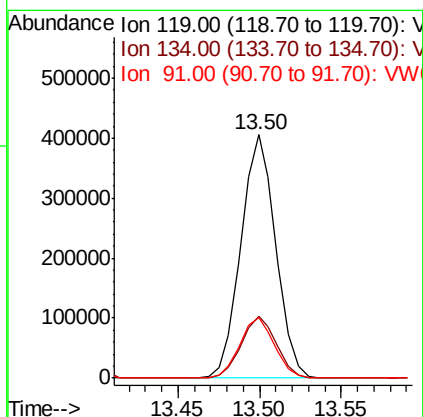
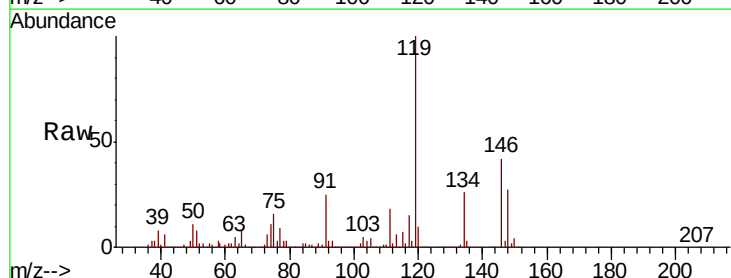
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

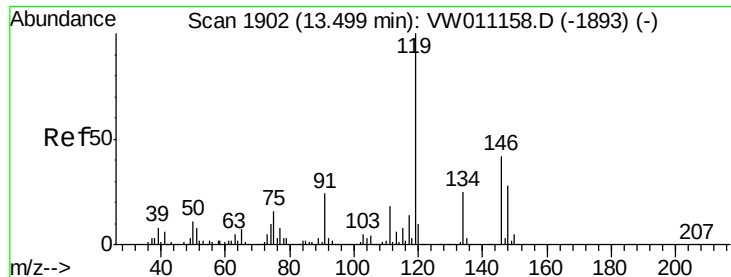
Tot Ion:105 Resp: 662130
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 55.491 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion:119 Resp: 600327
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.6
 91 24.7 12.3 36.8

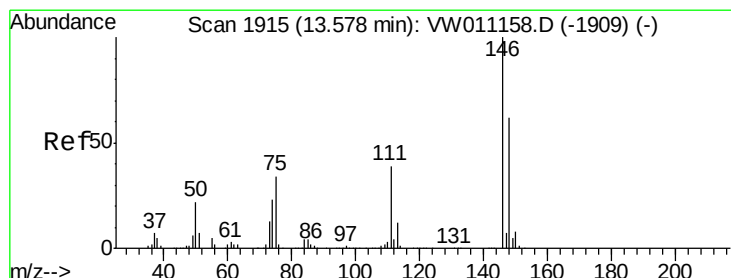
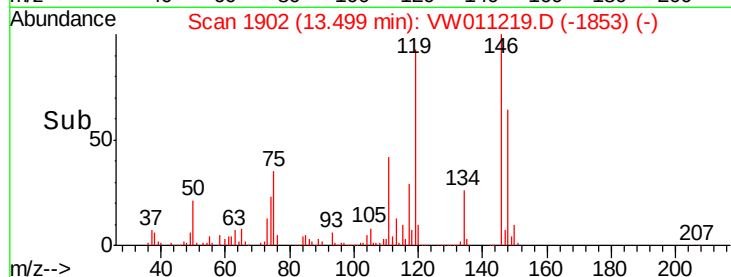
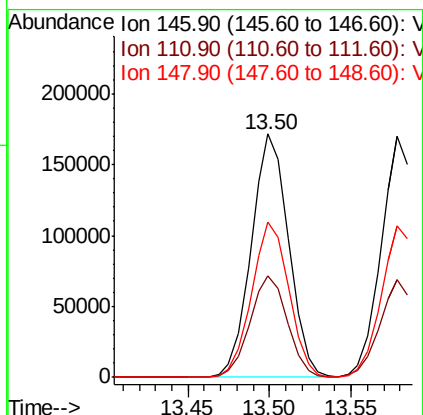
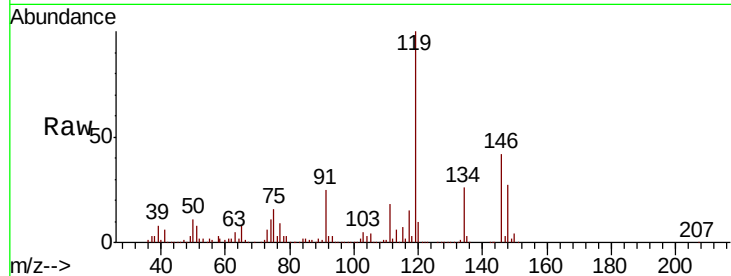




#87
 1,3-Dichlorobenzene
 Concen: 53.479 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

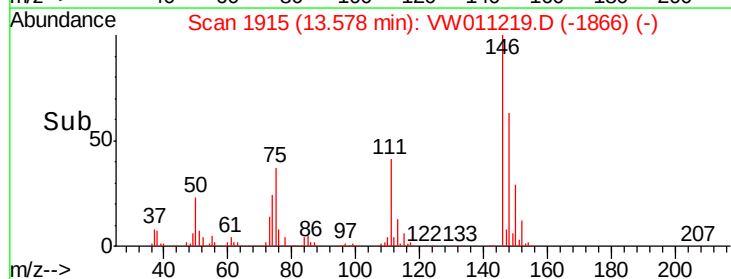
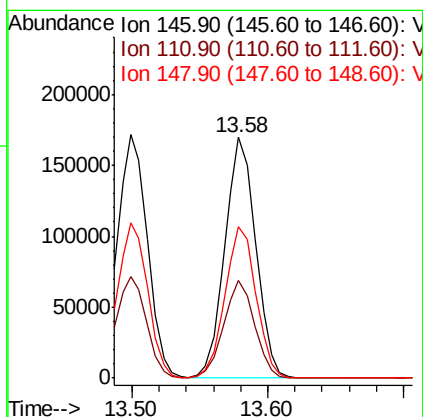
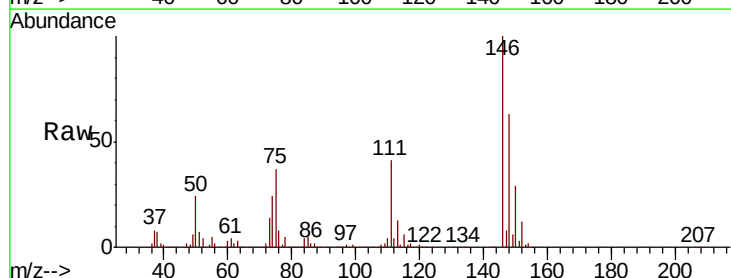
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

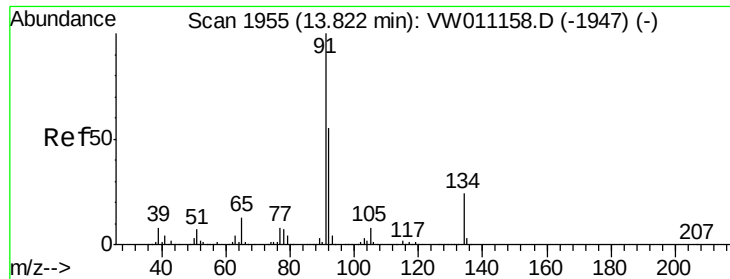
Tot Ion:146 Resp: 272433
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.1 63.1
 148 63.8 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 52.171 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion:146 Resp: 267622
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.9 59.7
 148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 56.566 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

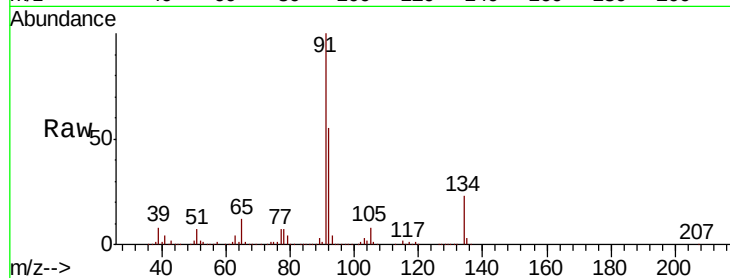
Tot Ion: 91 Resp: 610480

Ion Ratio Lower Upper

91 100

92 54.9 26.9 80.7

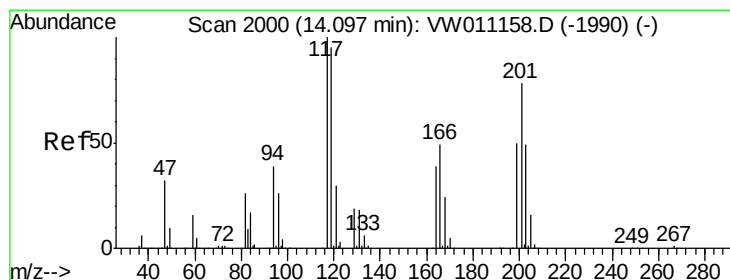
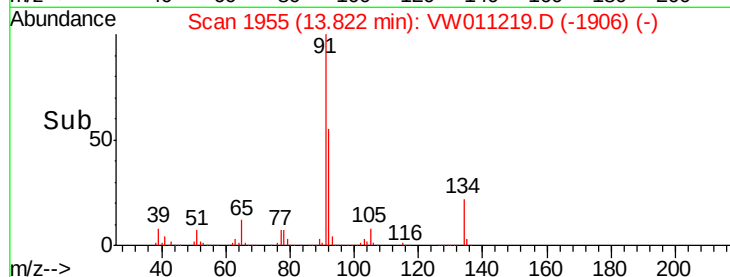
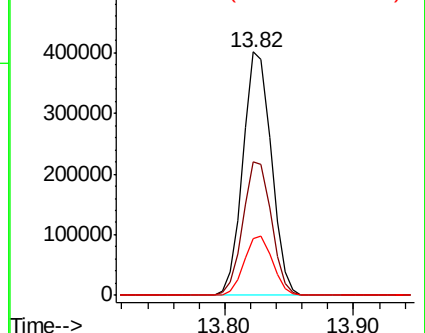
134 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.416 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011219.D

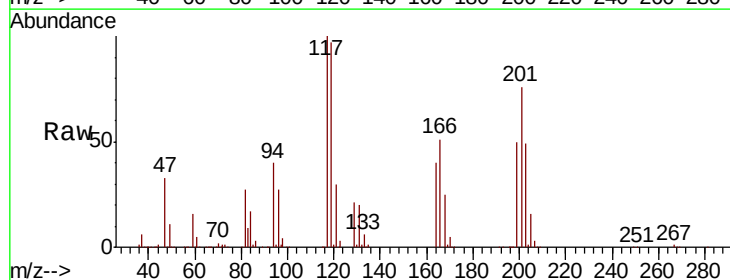
Acq: 11 Jul 2019 10:25

Tgt Ion: 117 Resp: 105599

Ion Ratio Lower Upper

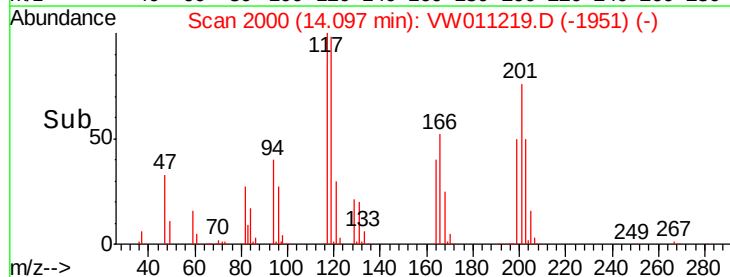
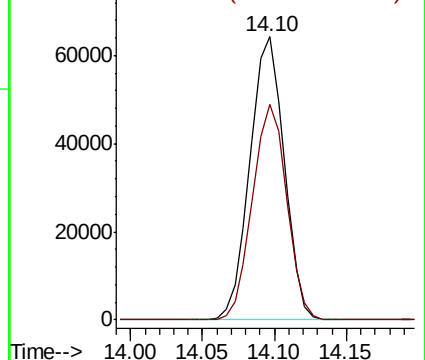
117 100

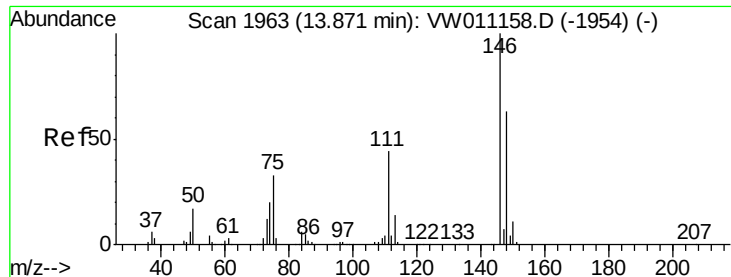
201 76.4 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

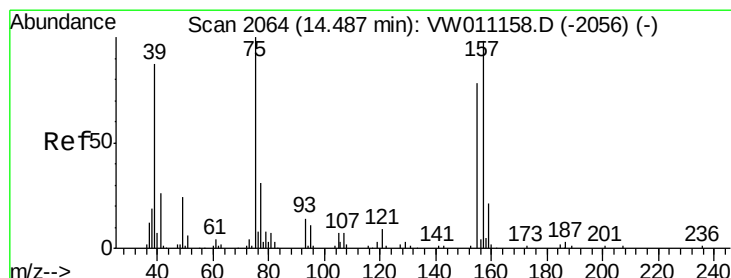
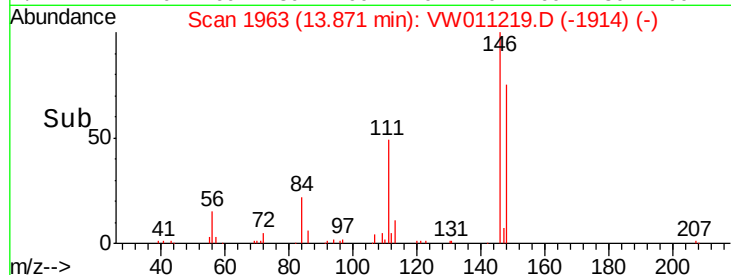
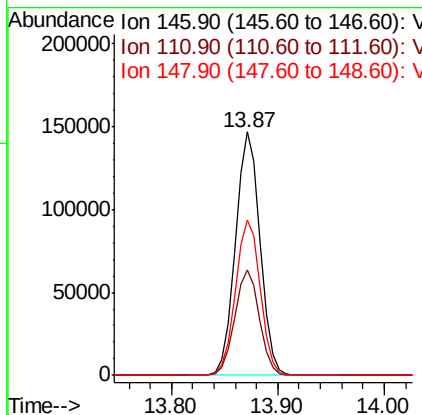
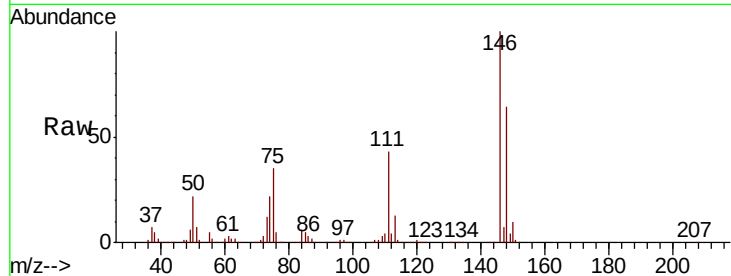




#91
 1,2-Dichlorobenzene
 Concen: 51.407 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

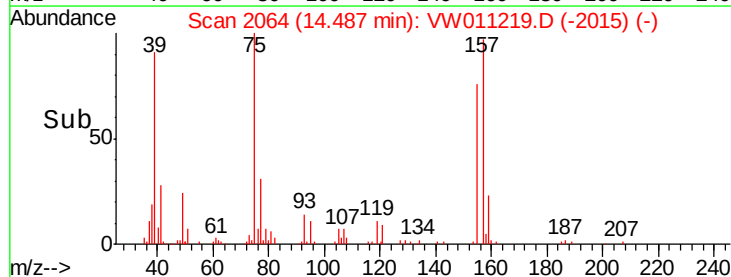
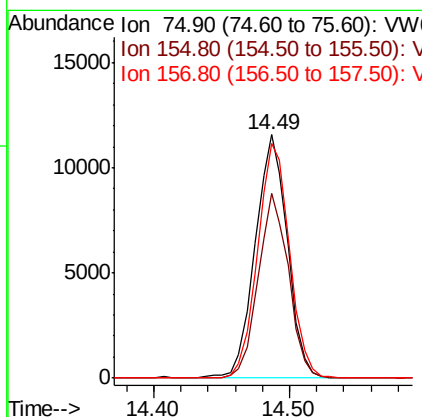
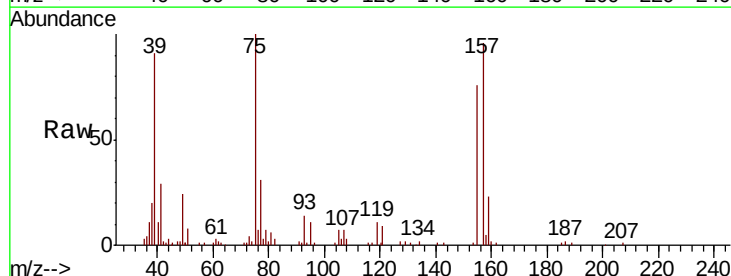
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

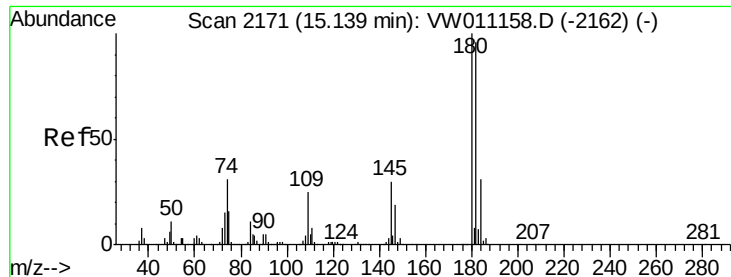
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.707 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	37.1	111.3
157	95.7	48.5	145.6

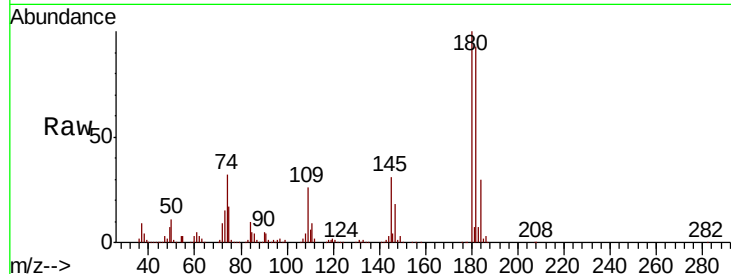




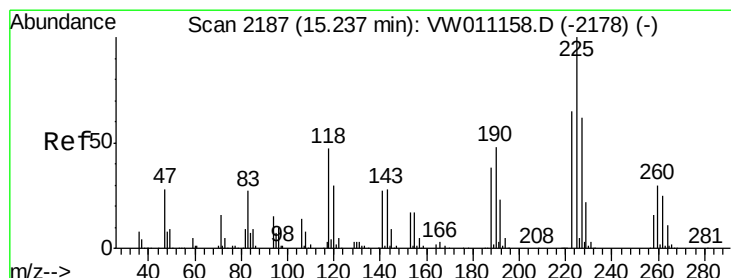
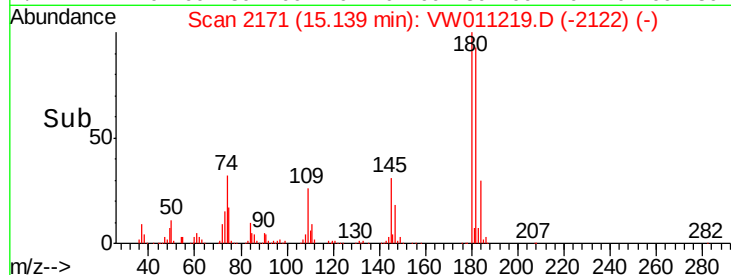
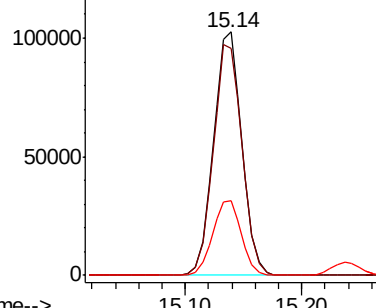
#93
 1,2,4-Trichlorobenzene
 Concen: 54.215 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.3	144.9
145	31.3	15.5	46.5

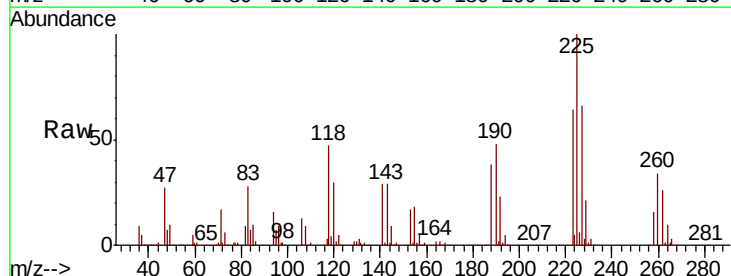


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

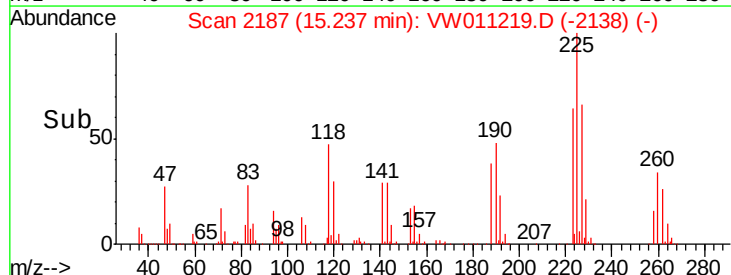
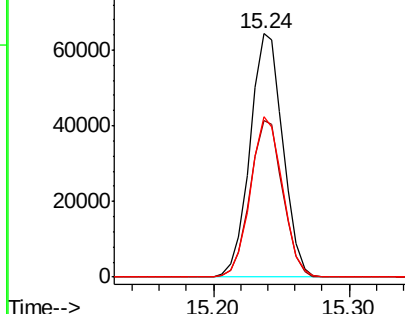


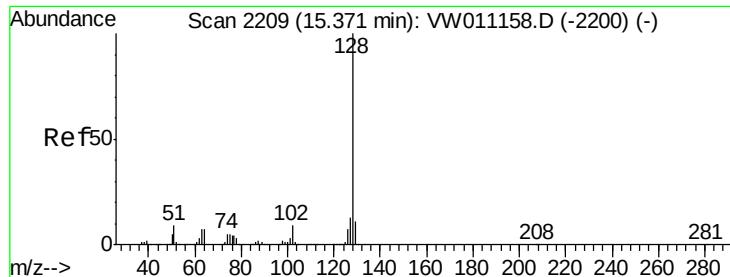
#94
 Hexachlorobutadiene
 Concen: 55.640 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011219.D
 Acq: 11 Jul 2019 10:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.6	95.0
227	64.5	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: 51.098 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

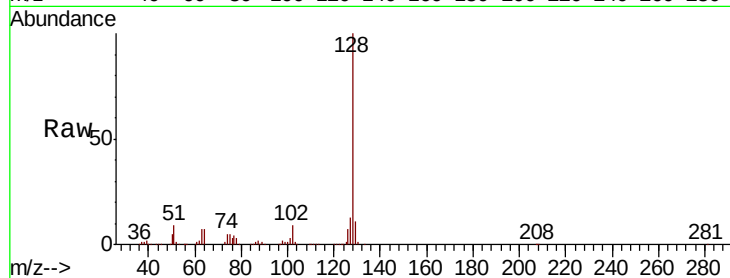
Tot Ion:128 Resp: 311688

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

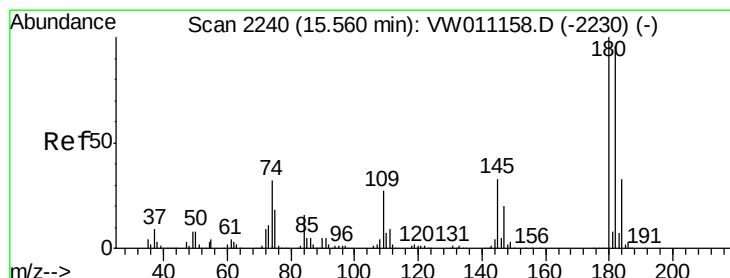
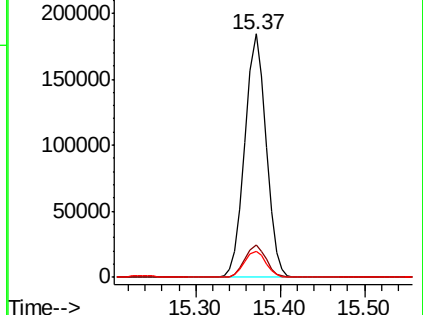
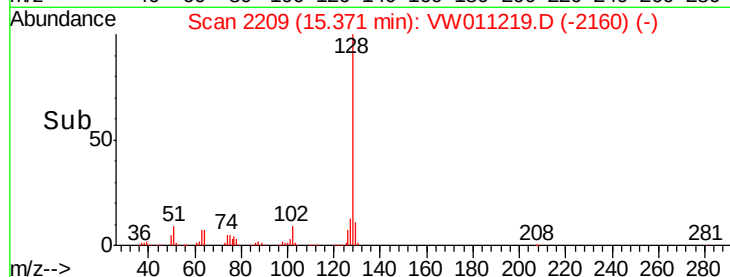
129 11.1 8.7 13.1



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: 53.488 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011219.D

Acq: 11 Jul 2019 10:25

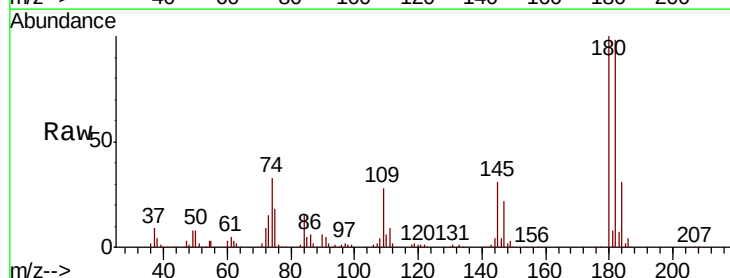
Tgt Ion:180 Resp: 150264

Ion Ratio Lower Upper

180 100

182 95.4 47.6 142.8

145 32.2 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

