

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011678.D
 Acq On : 03 Aug 2019 20:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 04 02:36:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137813	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.88	113	110327	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.32	98	443436	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.62	95	158561	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61837	50.995	ug/l	97
3) Chloromethane	2.21	50	102924	48.949	ug/l	98
4) Vinyl Chloride	2.36	62	127357	50.310	ug/l	98
5) Bromomethane	2.77	94	69048	49.278	ug/l	100
6) Chloroethane	2.92	64	74612	51.598	ug/l	98
7) Trichlorofluoromethane	3.25	101	59564	52.649	ug/l	99
8) Diethyl Ether	3.68	74	68793	53.630	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114336	53.275	ug/l	99
10) Methyl Iodide	4.28	142	161687	53.311	ug/l	99
11) Tert butyl alcohol	5.17	59	46281	251.082	ug/l	99
12) 1,1-Dichloroethene	4.04	96	119159	52.586	ug/l	97
13) Acrolein	3.89	56	54025	301.363	ug/l	97
14) Allyl chloride	4.66	41	253566	52.612	ug/l	99
15) Acrylonitrile	5.36	53	176945	276.335	ug/l	99
16) Acetone	4.12	43	166851	209.944	ug/l	96
17) Carbon Disulfide	4.38	76	366486	51.675	ug/l	100
18) Methyl Acetate	4.67	43	105338	59.001	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	198161	55.108	ug/l	94
20) Methylene Chloride	4.92	84	135448	49.417	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	132013	54.037	ug/l	95
22) Diisopropyl ether	6.31	45	494322	54.401	ug/l	98
23) Vinyl Acetate	6.25	43	1544177	270.452	ug/l	99
24) 1,1-Dichloroethane	6.21	63	266922	54.849	ug/l	99
25) 2-Butanone	7.17	43	257161	247.284	ug/l	100
26) 2,2-Dichloropropane	7.17	77	135335	45.220	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	143683	53.439	ug/l	100
28) Bromochloromethane	7.51	49	116104	53.750	ug/l	99
29) Tetrahydrofuran	7.52	42	166794	280.591	ug/l	99
30) Chloroform	7.67	83	241382	53.764	ug/l	97
31) Cyclohexane	7.95	56	235028	50.312	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	186325	54.494	ug/l	99
36) 1,1-Dichloropropene	8.08	75	197412	51.874	ug/l	99
37) Ethyl Acetate	7.25	43	117304	53.576	ug/l	99
38) Carbon Tetrachloride	8.07	117	171763	52.722	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	219939	52.486	ug/l	99
40) Benzene	8.32	78	556081	52.166	ug/l	100
41) Methacrylonitrile	7.48	41	69878	53.391	ug/l	98
42) 1,2-Dichloroethane	8.40	62	178220	53.400	ug/l	100
43) Isopropyl Acetate	8.42	43	218701	54.314	ug/l	99
44) Trichloroethene	9.09	130	134302	52.420	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150607	52.804	ug/l	98
46) Dibromomethane	9.46	93	69576	53.446	ug/l	99
47) Bromodichloromethane	9.64	83	182564	53.463	ug/l	100
48) Methyl methacrylate	9.43	41	106569	55.096	ug/l	99
49) 1,4-Dioxane	9.45	88	19701	1045.193	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	572808	273.490	ug/l	100
52) Toluene	10.38	92	337656	52.452	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187094	52.450	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	220799	52.059	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	96755	52.383	ug/l	98
56) Ethyl methacrylate	10.65	69	148450	54.924	ug/l	100
57) 1,3-Dichloropropane	10.93	76	186567	53.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	394371	321.360	ug/l	99
59) 2-Hexanone	10.97	43	386222	261.171	ug/l	99
60) Dibromochloromethane	11.13	129	109897	53.601	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92727	53.050	ug/l	100
64) Tetrachloroethene	10.86	164	115652	54.877	ug/l	98
65) Chlorobenzene	11.66	112	337303	51.834	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121106	53.429	ug/l	99
67) Ethyl Benzene	11.73	91	657954	53.089	ug/l	100
68) m/p-Xylenes	11.84	106	472911	104.925	ug/l	99
69) o-Xylene	12.16	106	222565	53.139	ug/l	100
70) Styrene	12.18	104	389048	53.724	ug/l	100
71) Bromoform	12.35	173	62801	54.341	ug/l #	96
73) Isopropylbenzene	12.46	105	614328	52.279	ug/l	100
74) N-amyl acetate	12.27	43	197766	53.756	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119158	53.909	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	97990m	58.794	ug/l	
77) Bromobenzene	12.74	156	135924	52.333	ug/l	99
78) n-propylbenzene	12.80	91	754227	52.740	ug/l	100
79) 2-Chlorotoluene	12.89	91	430595	52.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	524913	53.290	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37440	51.771	ug/l	97
82) 4-Chlorotoluene	12.99	91	451166	52.193	ug/l	99
83) tert-Butylbenzene	13.21	119	440450	53.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	523833	52.792	ug/l	99
85) sec-Butylbenzene	13.38	105	623319	53.033	ug/l	100
86) p-Isopropyltoluene	13.50	119	561636	52.666	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	264108	51.859	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	259652	51.253	ug/l	99
89) n-Butylbenzene	13.82	91	556219	52.266	ug/l	100
90) Hexachloroethane	14.09	117	99802	52.926	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	234672	52.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20168	53.507	ug/l	98

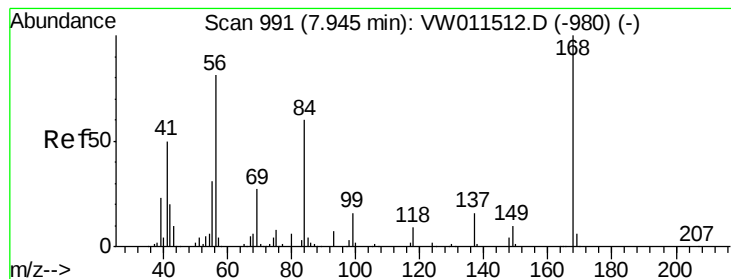
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166194	52.353	ug/l	100
94) Hexachlorobutadiene	15.24	225	104232	52.651	ug/l	98
95) Naphthalene	15.36	128	318913	51.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	146759	52.741	ug/l	98

(#) = 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: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

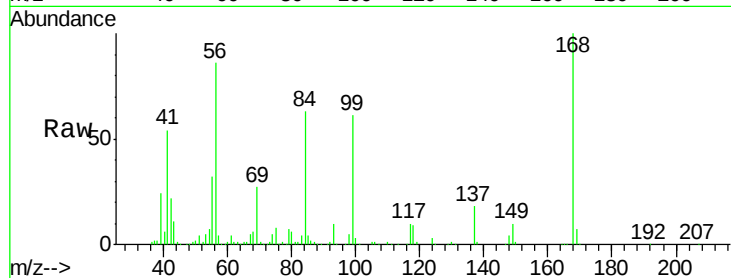
VSTDCCC050EC

Tot Ion:168 Resp: 217579

Ion Ratio Lower Upper

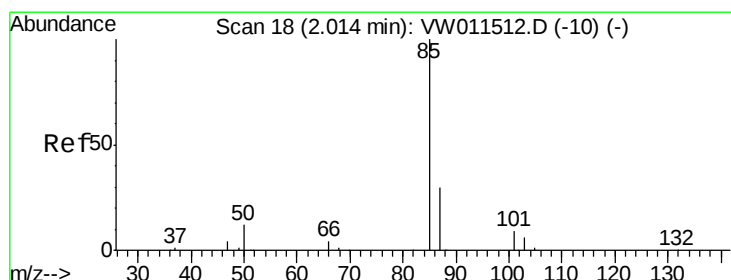
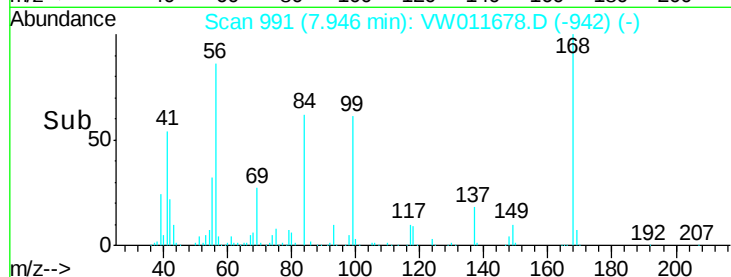
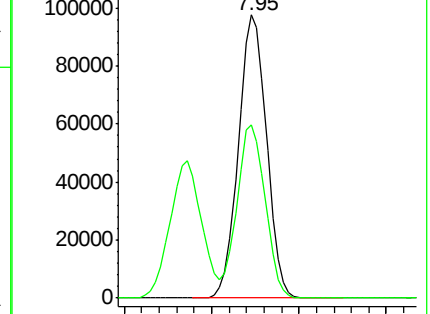
168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.995 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011678.D

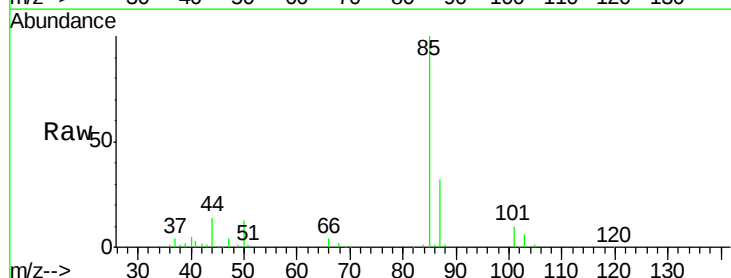
Acq: 03 Aug 2019 20:56

Tgt Ion: 85 Resp: 61837

Ion Ratio Lower Upper

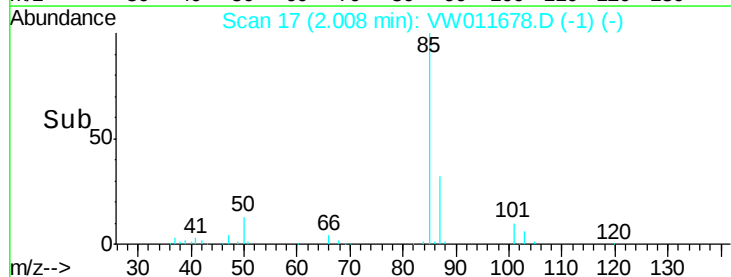
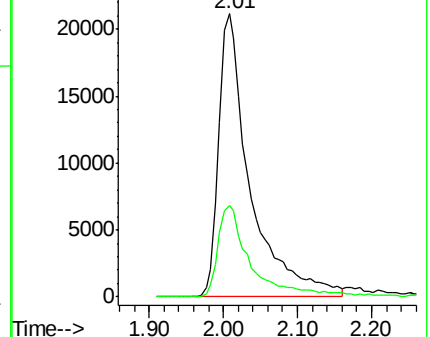
85 100

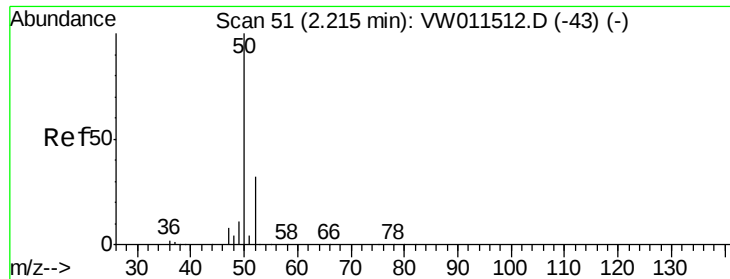
87 32.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.949 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

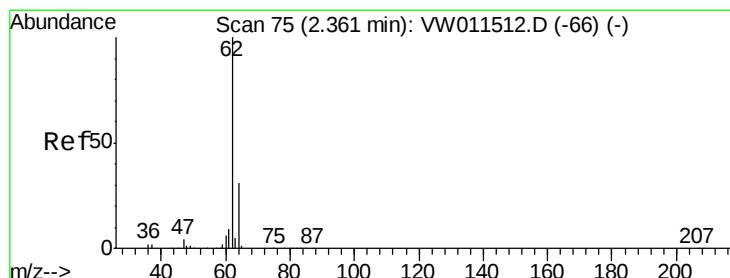
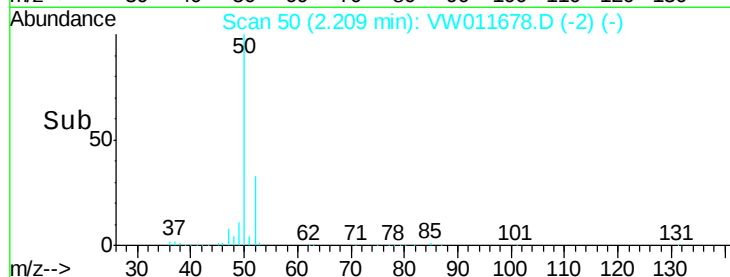
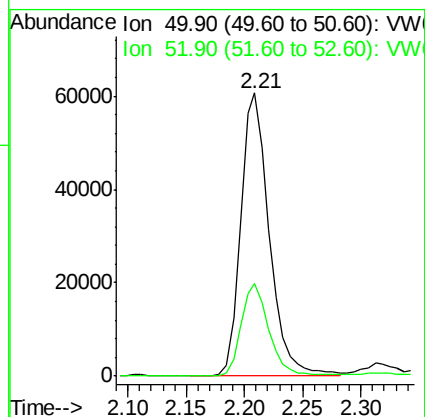
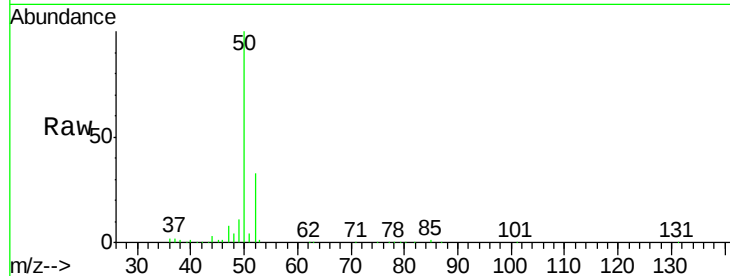
VSTDCCC050EC

Tot Ion: 50 Resp: 102924

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 50.310 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011678.D

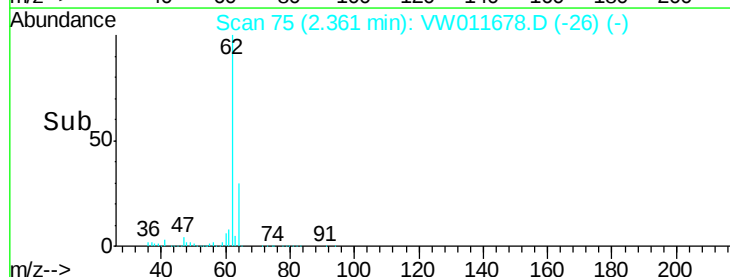
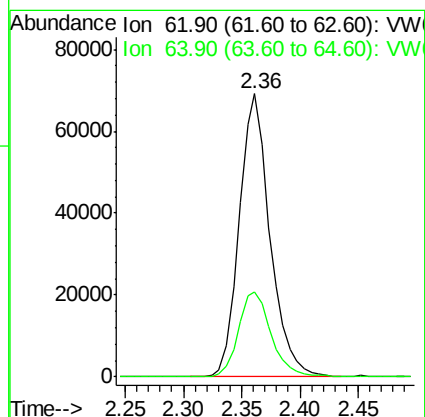
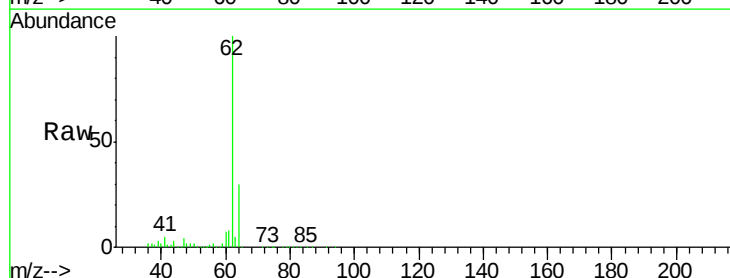
Acq: 03 Aug 2019 20:56

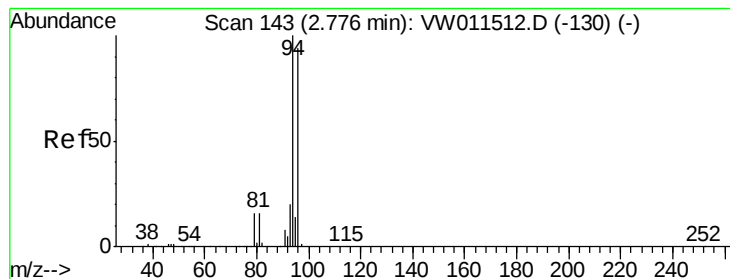
Tgt Ion: 62 Resp: 127357

Ion Ratio Lower Upper

62 100

64 29.8 25.0 37.4





#5

Bromomethane

Concen: 49.278 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

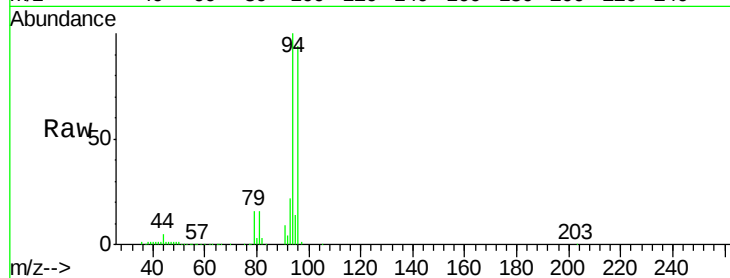
VSTDCCC050EC

Tot Ion: 94 Resp: 69048

Ion Ratio Lower Upper

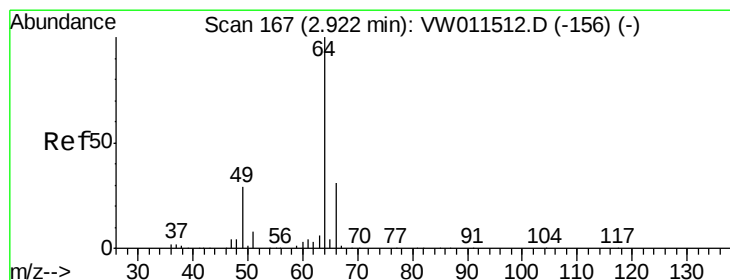
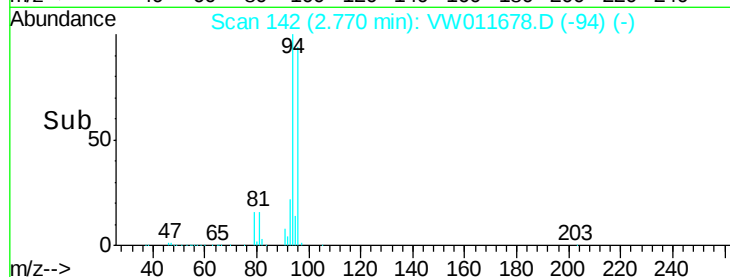
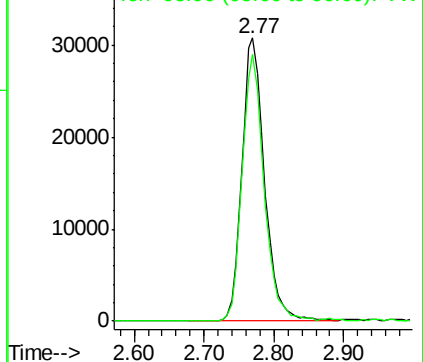
94 100

96 93.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 51.598 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011678.D

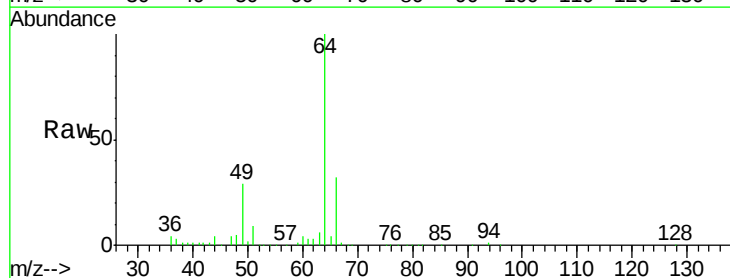
Acq: 03 Aug 2019 20:56

Tgt Ion: 64 Resp: 74612

Ion Ratio Lower Upper

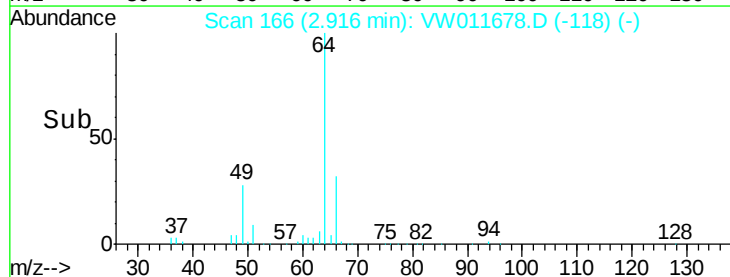
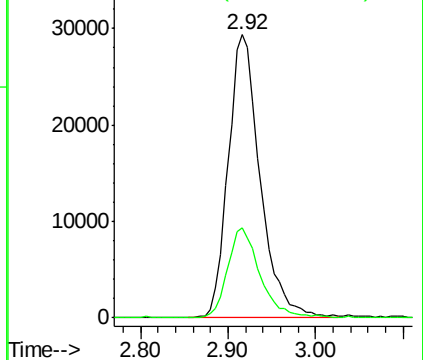
64 100

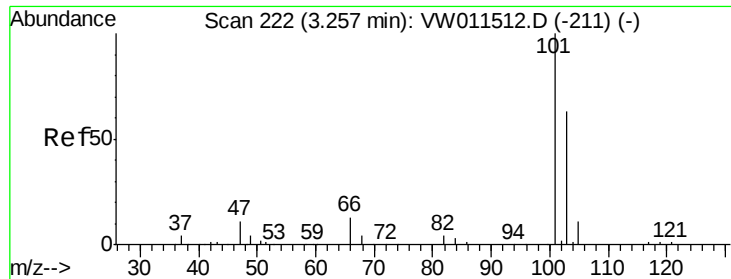
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



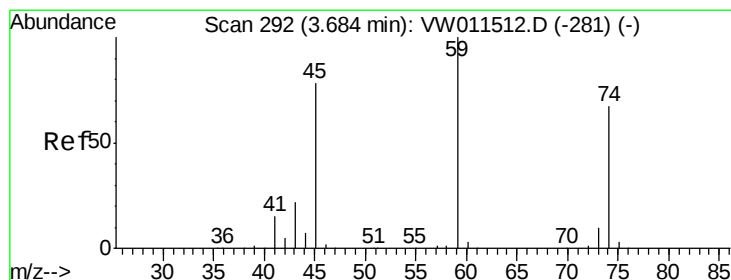
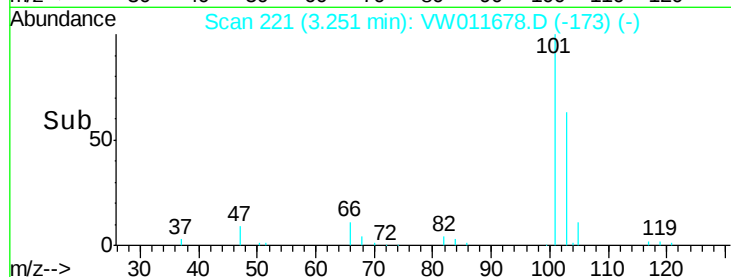
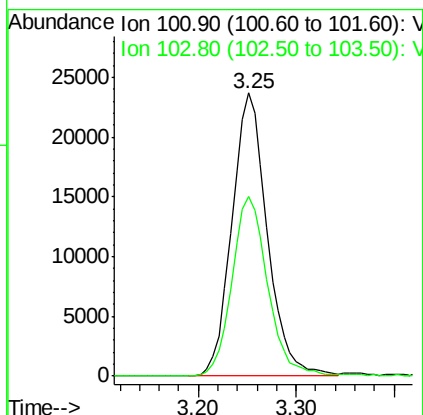
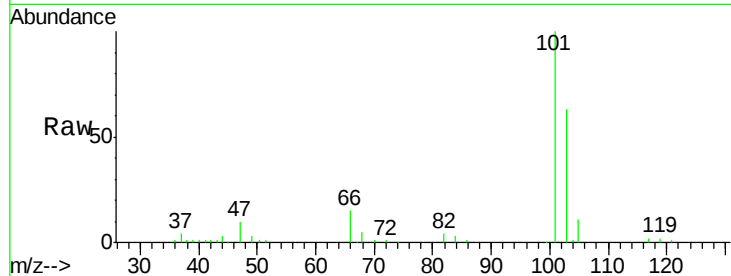


#7

Trichlorofluoromethane
 Concen: 52.649 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Instrument :
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 VSTDCCC050EC

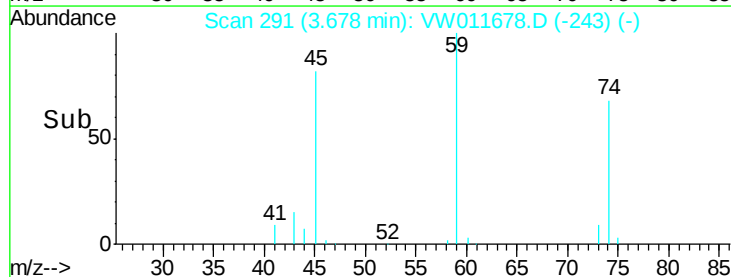
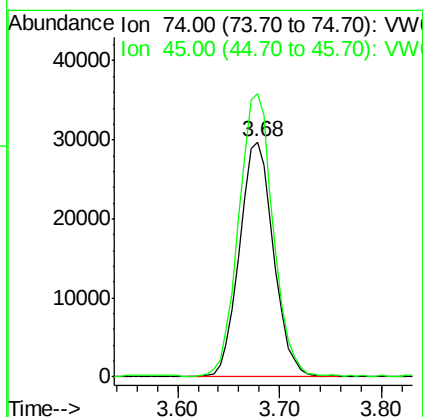
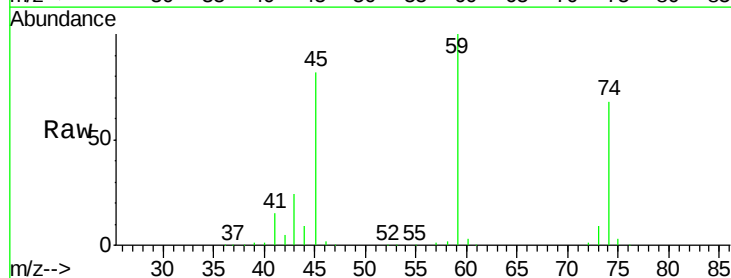
Tot Ion:101 Resp: 59564
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.2 75.4

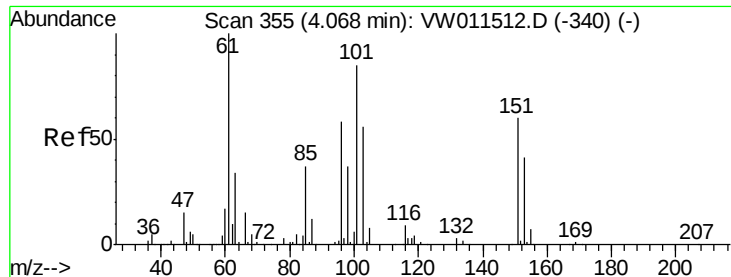


#8

Diethyl Ether
 Concen: 53.630 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion: 74 Resp: 68793
 Ion Ratio Lower Upper
 74 100
 45 121.7 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.275 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

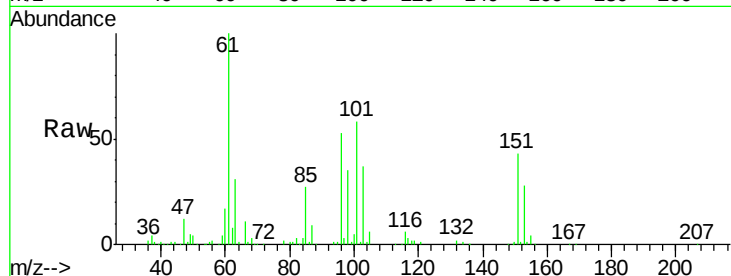
Tot Ion:101 Resp: 114336

Ion Ratio Lower Upper

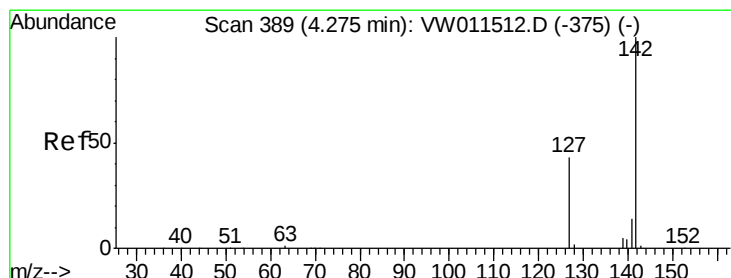
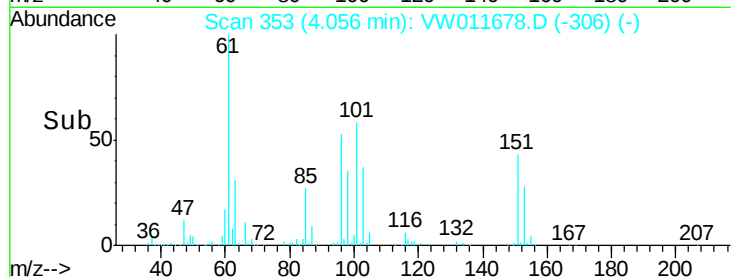
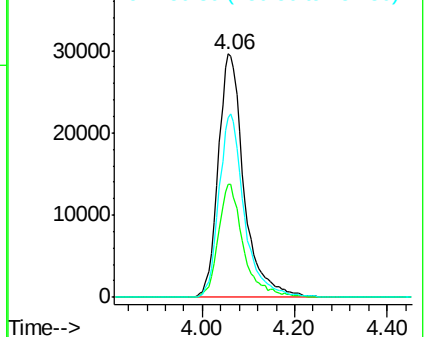
101 100

85 45.5 36.6 54.8

151 74.4 60.2 90.2



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: 53.311 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

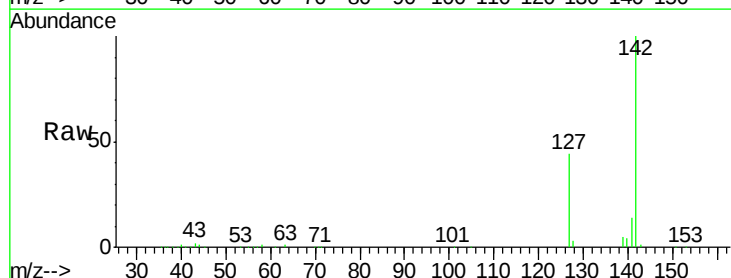
Tgt Ion:142 Resp: 161687

Ion Ratio Lower Upper

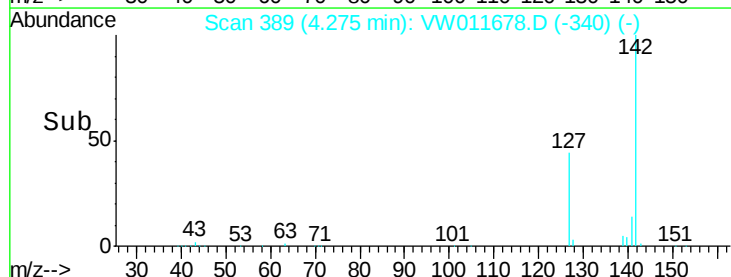
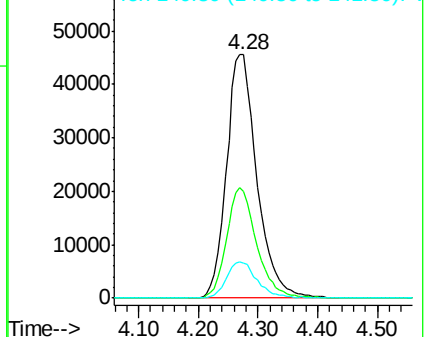
142 100

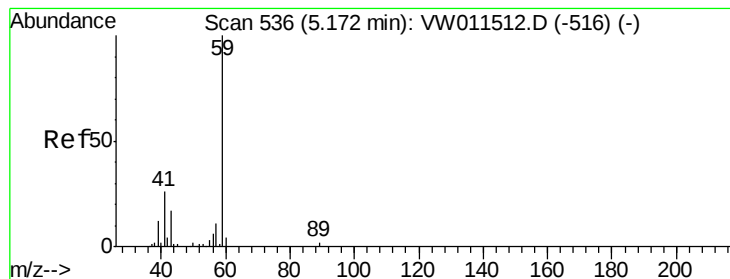
127 44.7 35.0 52.6

141 15.0 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



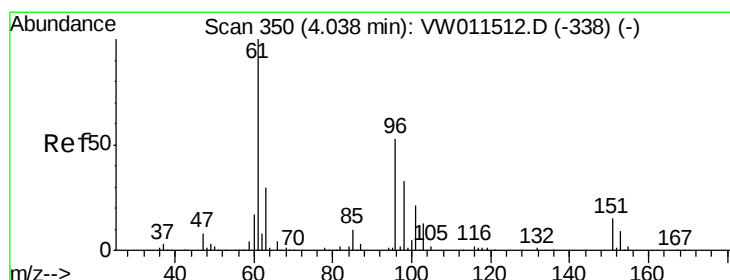
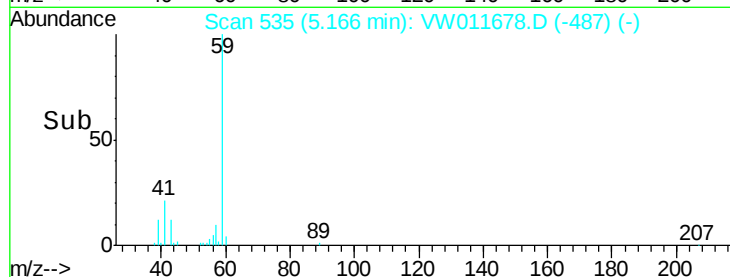
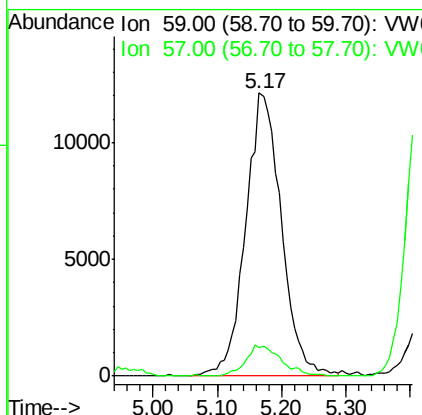
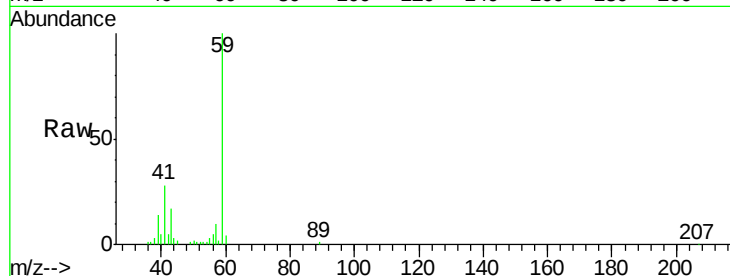


#11

Tert butyl alcohol
Concen: 251.082 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

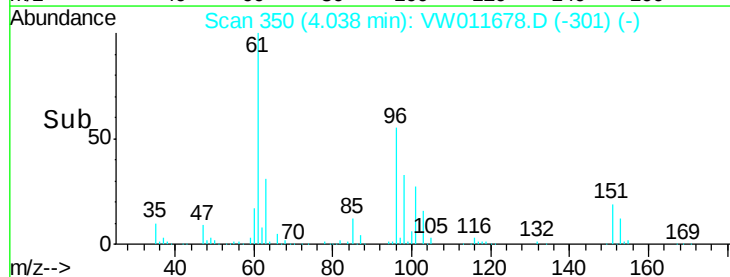
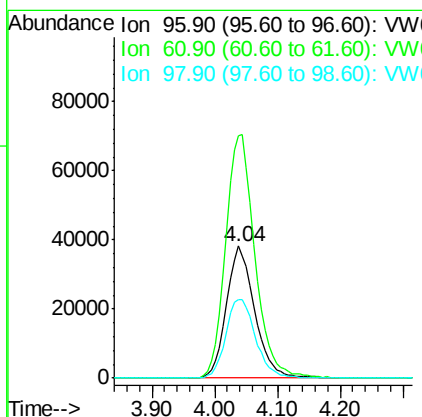
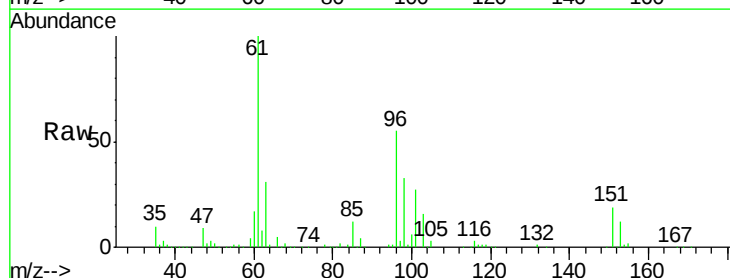
Tot Ion: 59 Resp: 46281
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7

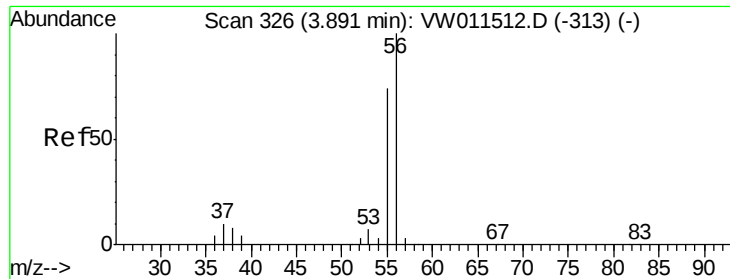


#12

1,1-Dichloroethene
Concen: 52.586 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 96 Resp: 119159
Ion Ratio Lower Upper
96 100
61 183.3 149.9 224.9
98 59.8 49.1 73.7

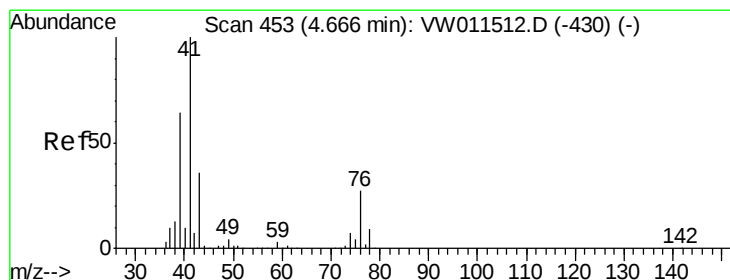
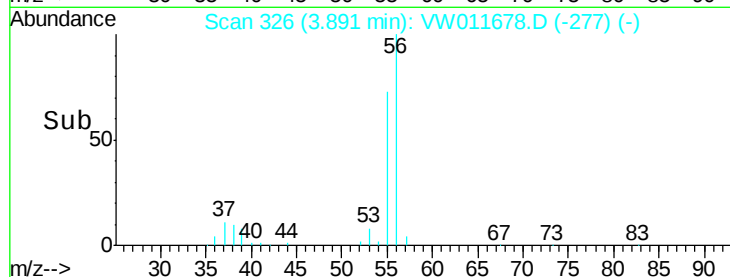
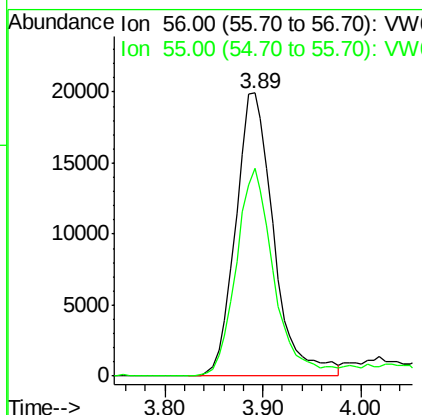
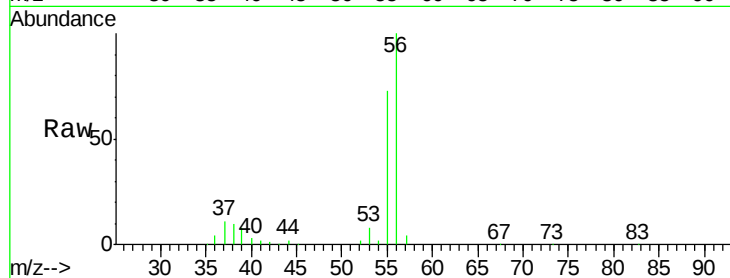




#13
Acrolein
Concen: 301.363 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

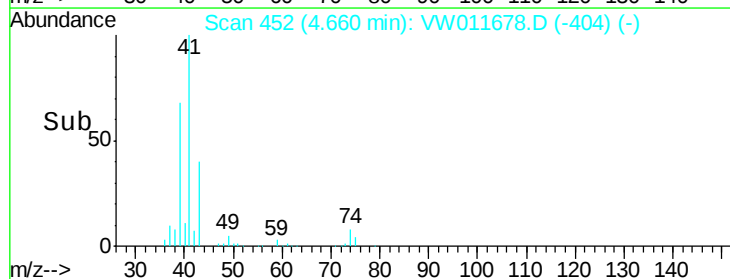
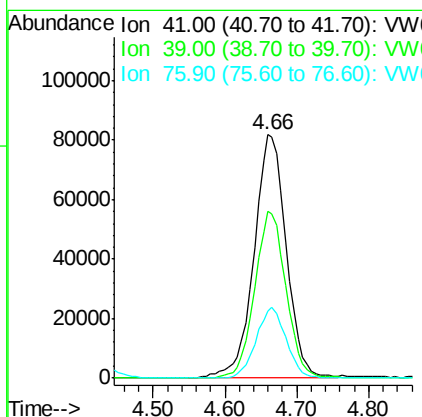
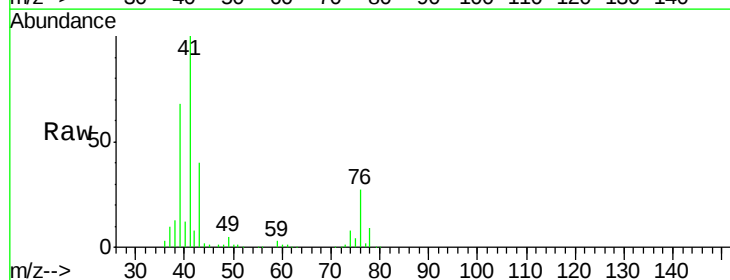
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

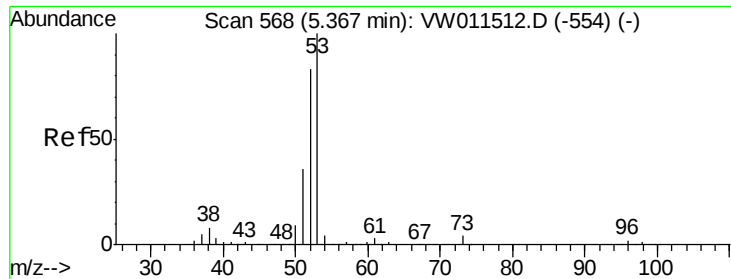
Tot Ion: 56 Resp: 54025
Ion Ratio Lower Upper
56 100
55 72.5 56.0 84.0



#14
Allyl chloride
Concen: 52.612 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 41 Resp: 253566
Ion Ratio Lower Upper
41 100
39 66.4 52.6 78.8
76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 276.335 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

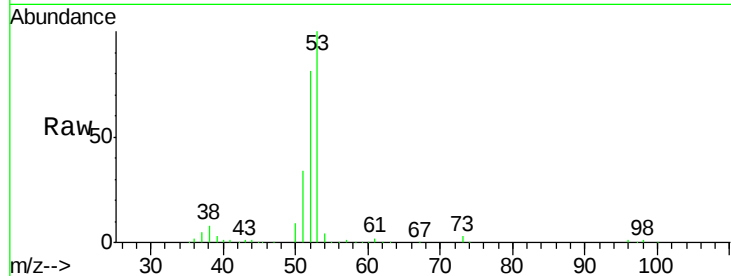
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 176945

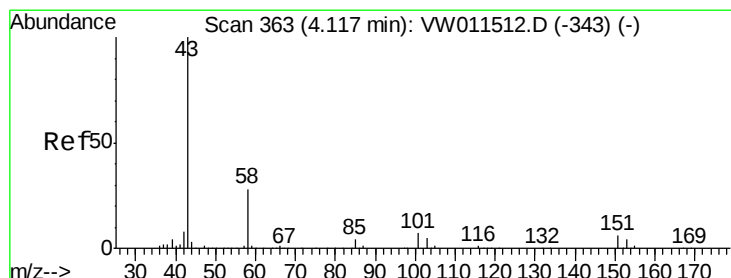
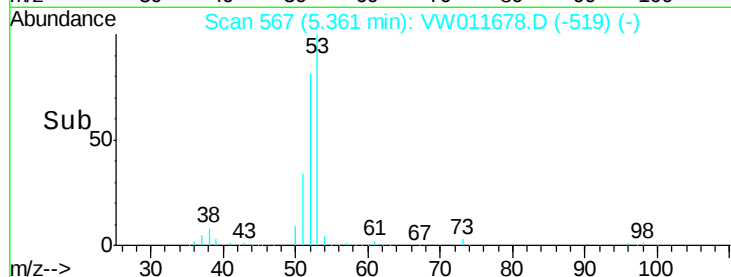
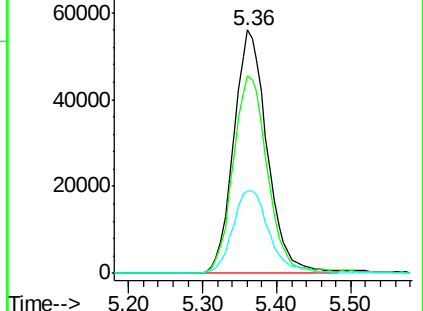
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.2	100.8
51	37.1	30.0	45.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 209.944 ug/l

RT: 4.12 min Scan# 364

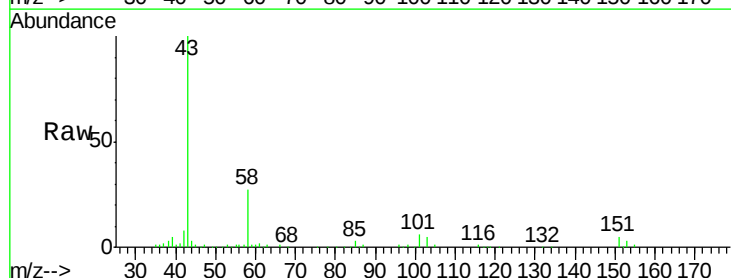
Delta R.T. 0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

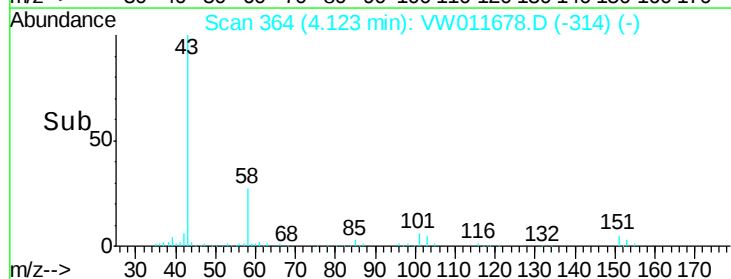
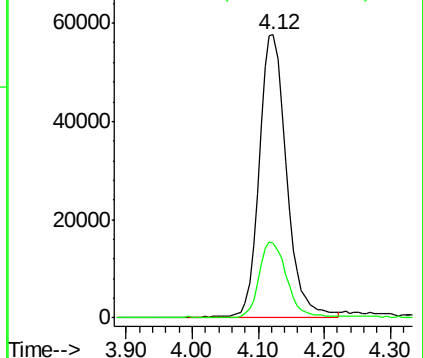
Tgt Ion: 43 Resp: 166851

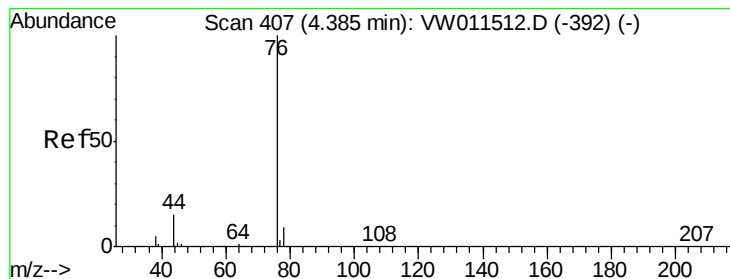
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.3	33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 51.675 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

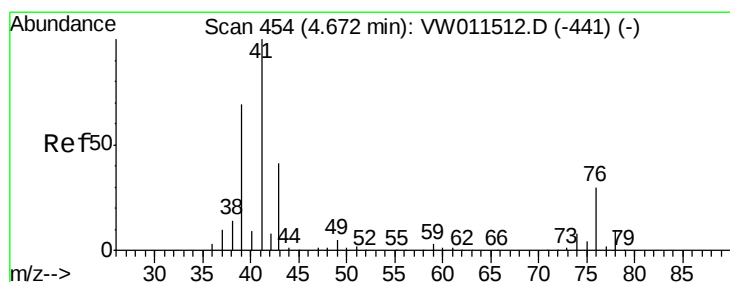
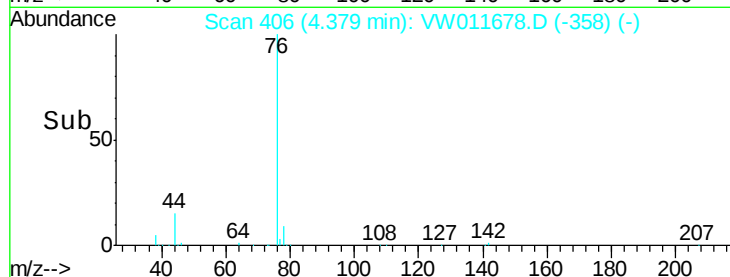
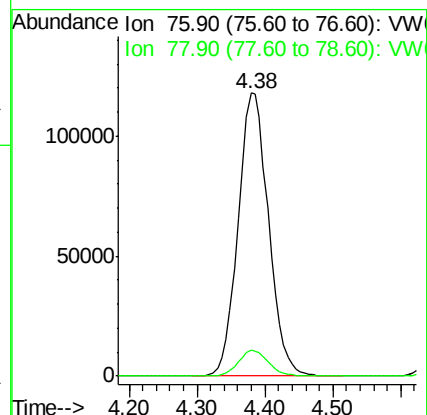
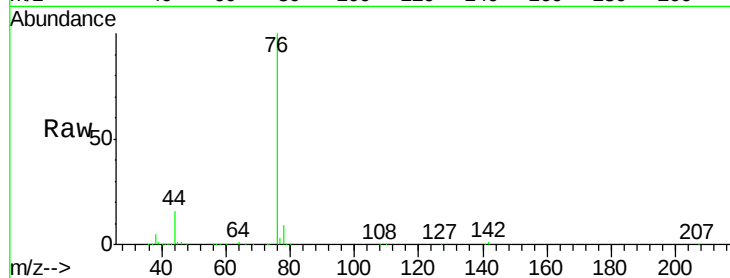
VSTDCCC050EC

Tot Ion: 76 Resp: 366486

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 59.001 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011678.D

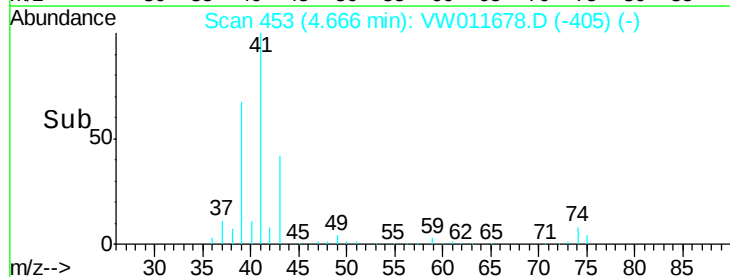
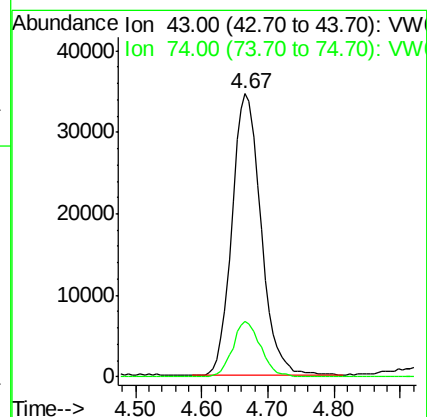
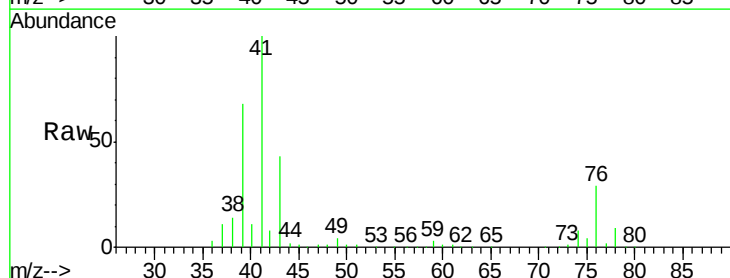
Acq: 03 Aug 2019 20:56

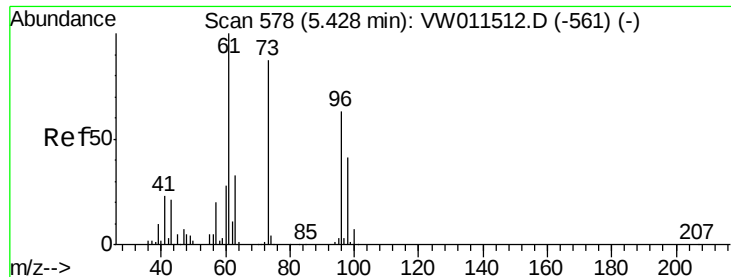
Tgt Ion: 43 Resp: 105338

Ion Ratio Lower Upper

43 100

74 19.1 15.9 23.9

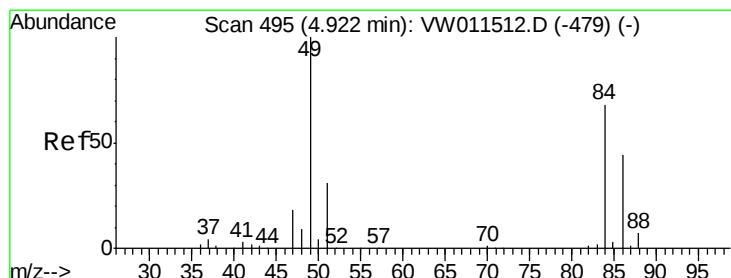
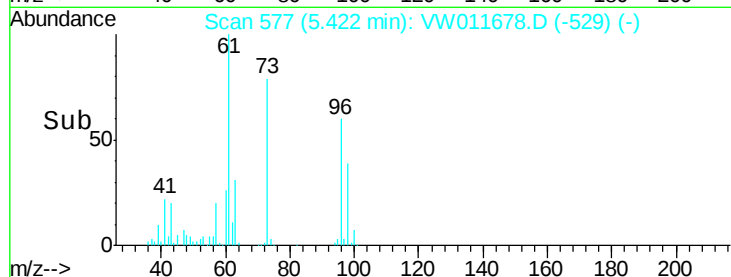
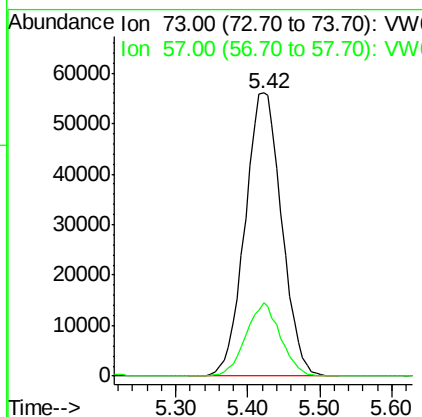
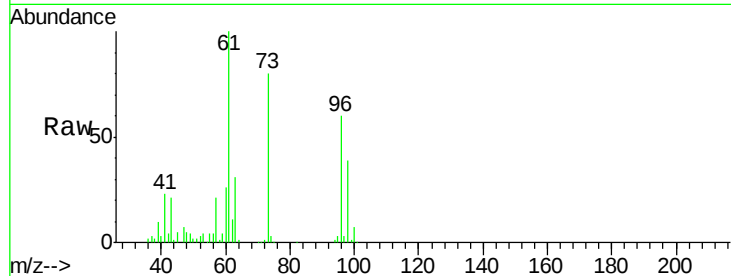




#19
Methyl tert-butyl Ether
Concen: 55.108 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

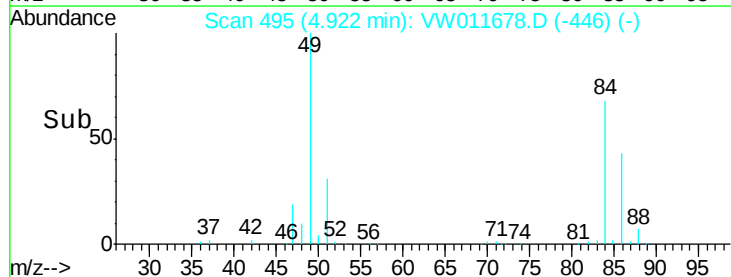
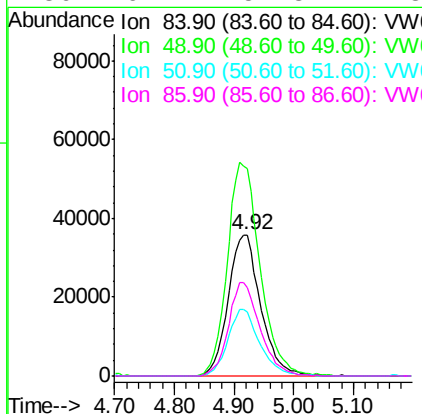
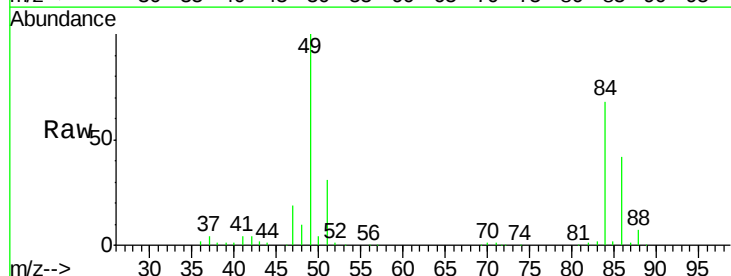
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

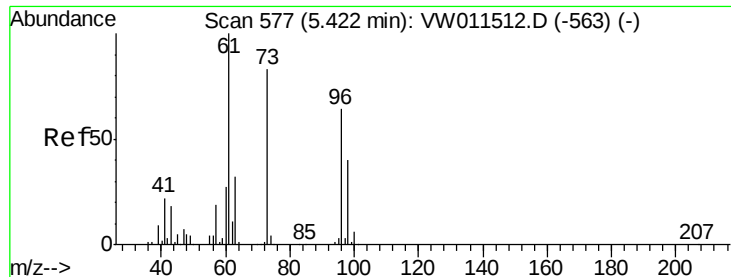
Tot Ion: 73 Resp: 198161
Ion Ratio Lower Upper
73 100
57 26.1 18.4 27.6



#20
Methylene Chloride
Concen: 49.417 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 84 Resp: 135448
Ion Ratio Lower Upper
84 100
49 147.0 117.8 176.6
51 45.6 37.0 55.4
86 62.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 54.037 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

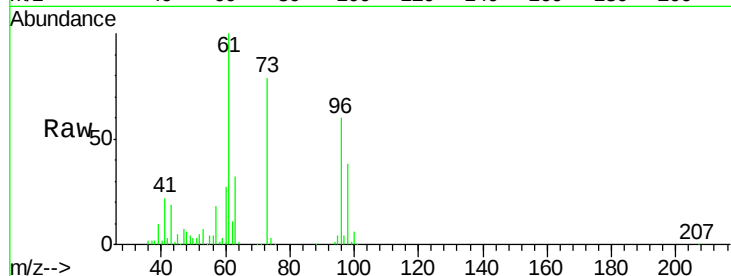
Tot Ion: 96 Resp: 132013

Ion Ratio Lower Upper

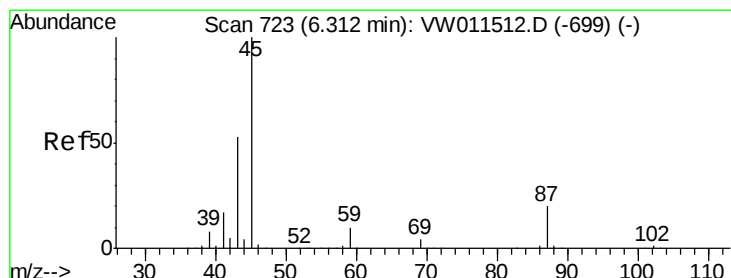
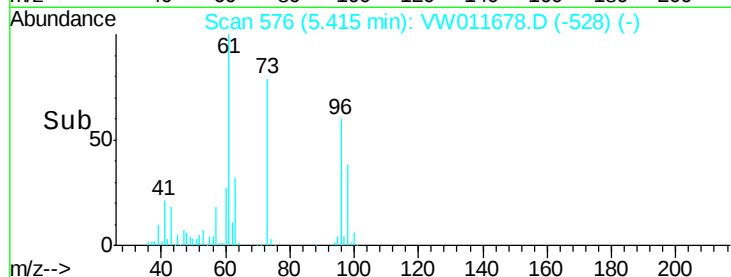
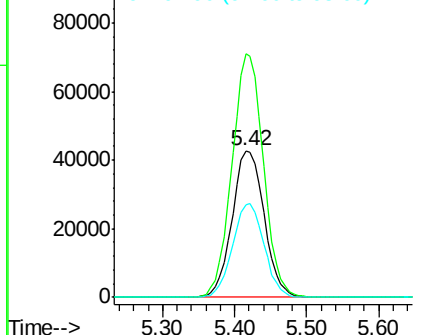
96 100

61 166.1 125.7 188.5

98 63.3 50.3 75.5



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



#22

Diisopropyl ether

Concen: 54.401 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Tgt Ion: 45 Resp: 494322

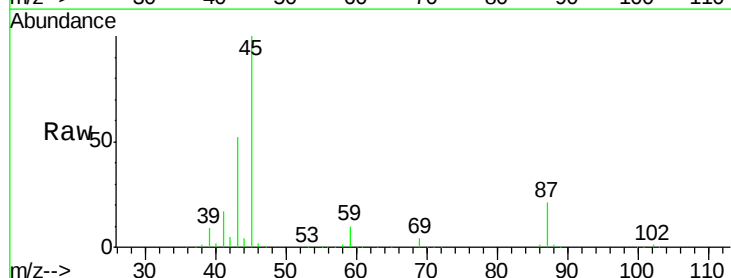
Ion Ratio Lower Upper

45 100

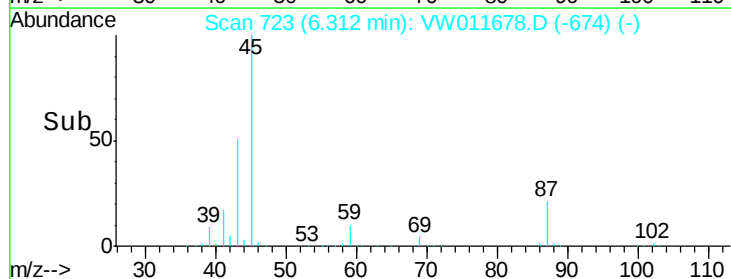
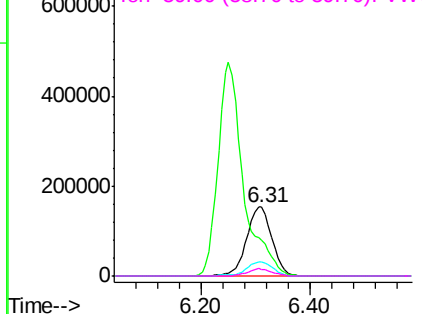
43 51.4 42.6 63.8

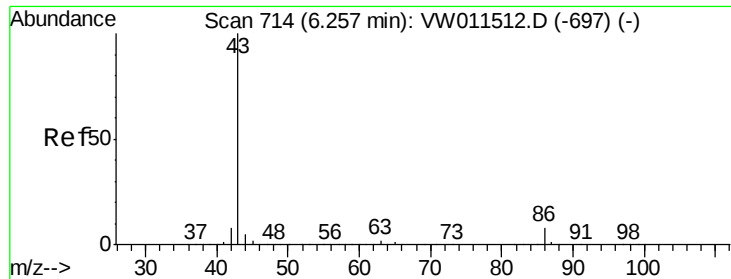
87 20.9 16.4 24.6

59 10.2 8.2 12.2



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





#23

Vinyl Acetate

Concen: 270.452 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

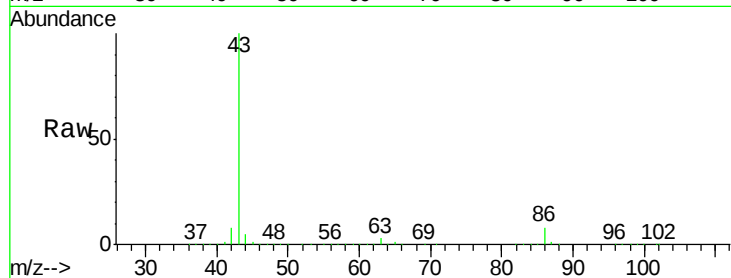
VSTDCCC050EC

Tot Ion: 43 Resp: 1544177

Ion Ratio Lower Upper

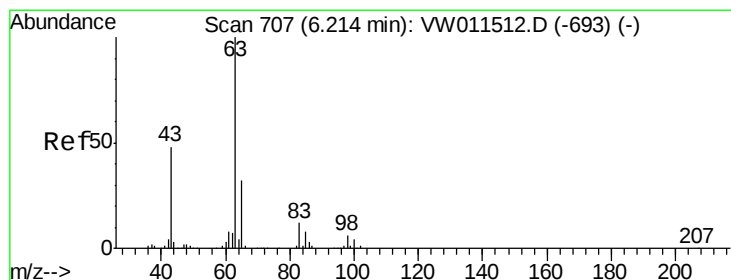
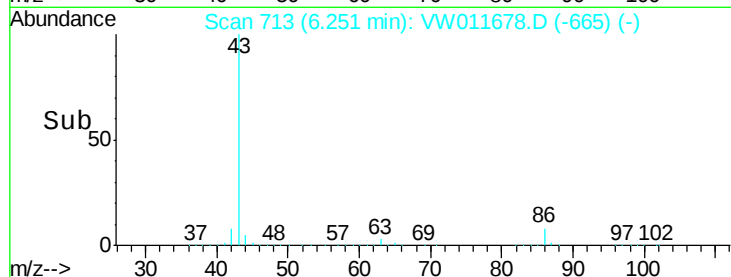
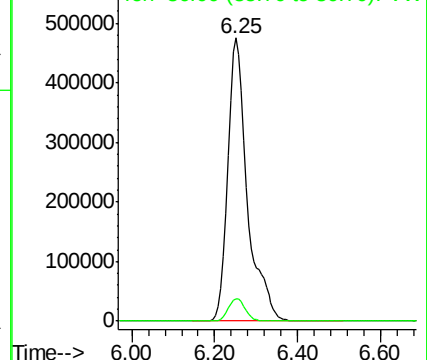
43 100

86 7.7 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: 54.849 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

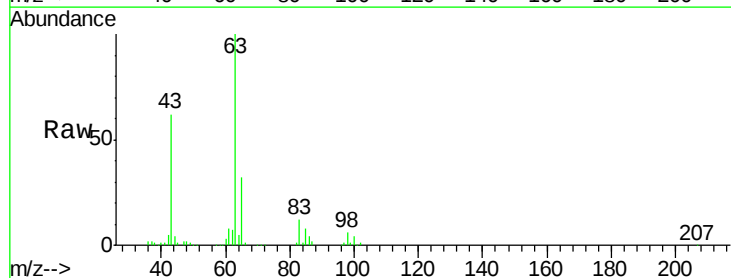
Tgt Ion: 63 Resp: 266922

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

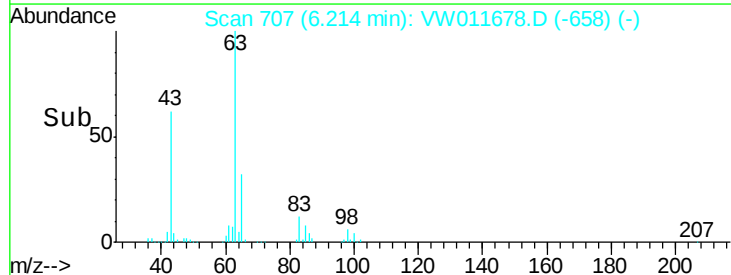
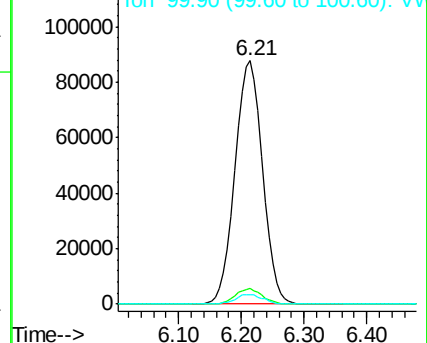
100 3.7 2.1 6.3

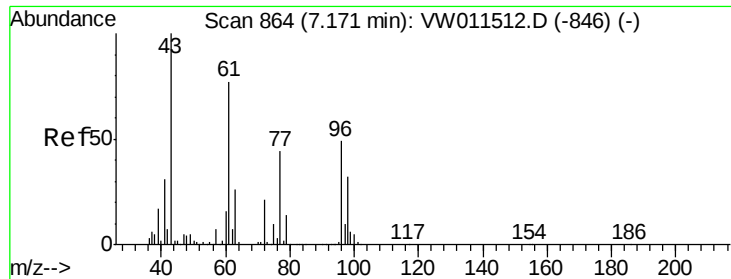


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 247.284 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

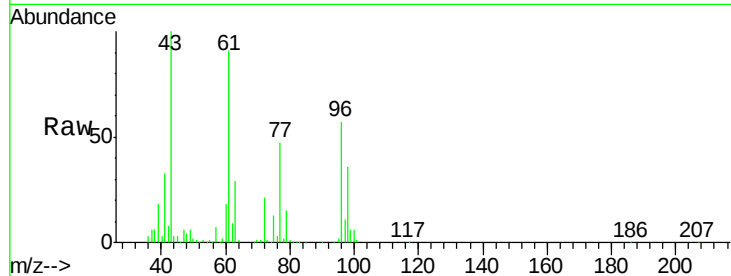
VSTDCCC050EC

Tot Ion: 43 Resp: 257161

Ion Ratio Lower Upper

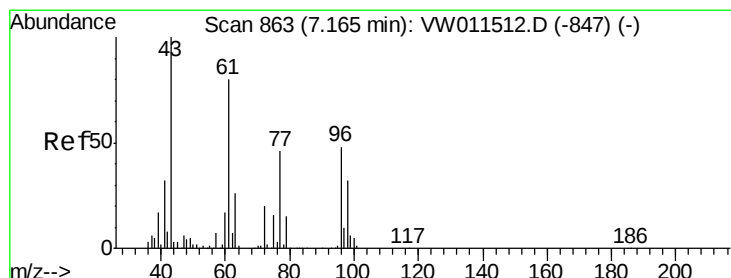
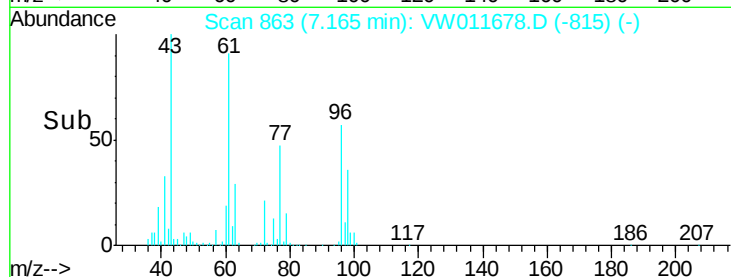
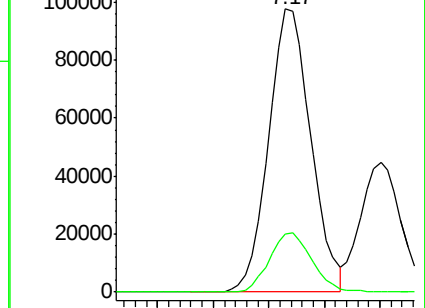
43 100

72 20.6 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 45.220 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011678.D

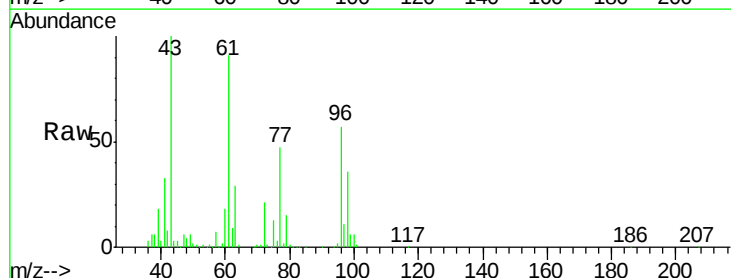
Acq: 03 Aug 2019 20:56

Tgt Ion: 77 Resp: 135335

Ion Ratio Lower Upper

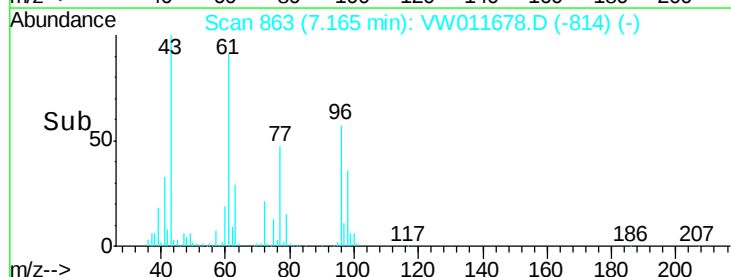
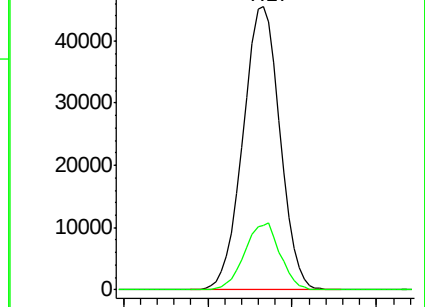
77 100

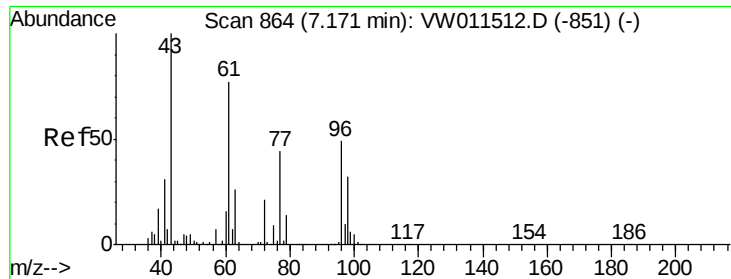
97 22.5 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



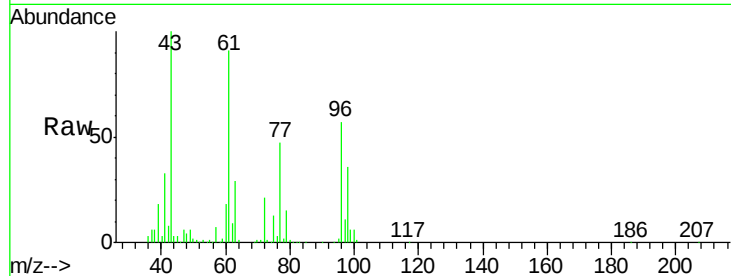


#27

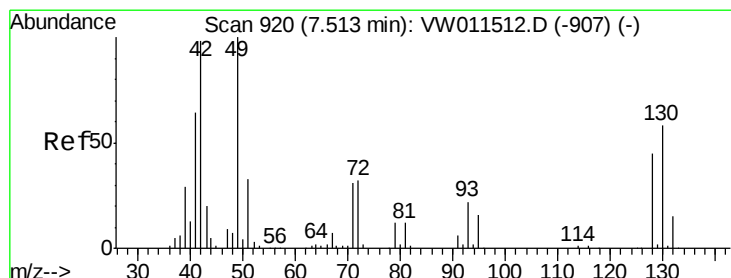
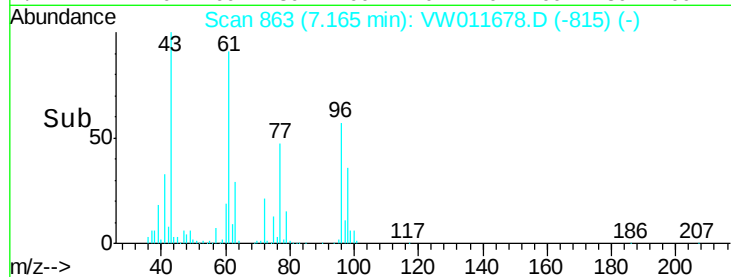
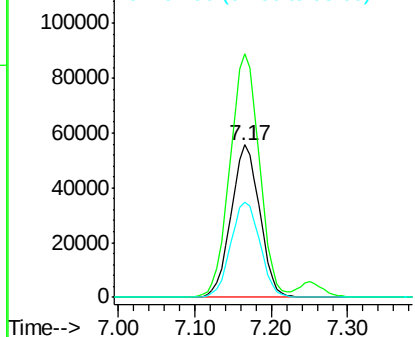
cis-1,2-Dichloroethene
Concen: 53.439 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 143683
Ion Ratio Lower Upper
96 100
61 164.2 0.0 328.4
98 64.1 0.0 128.8



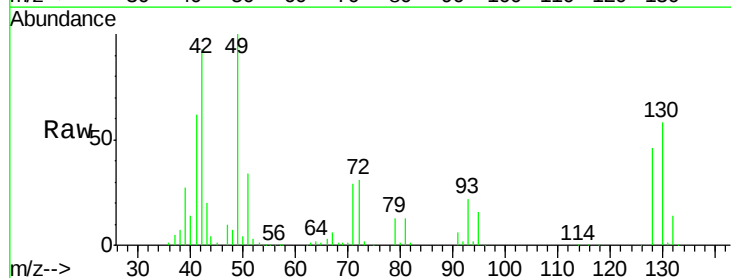
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



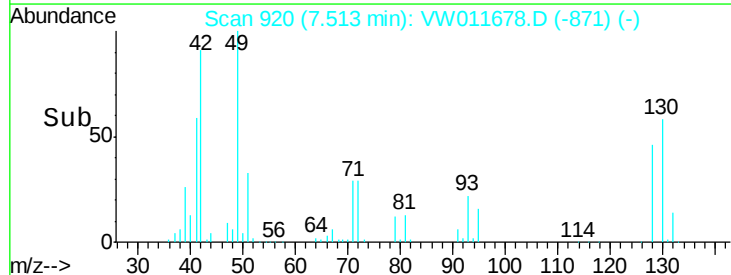
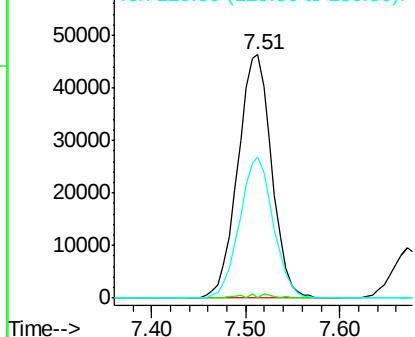
#28

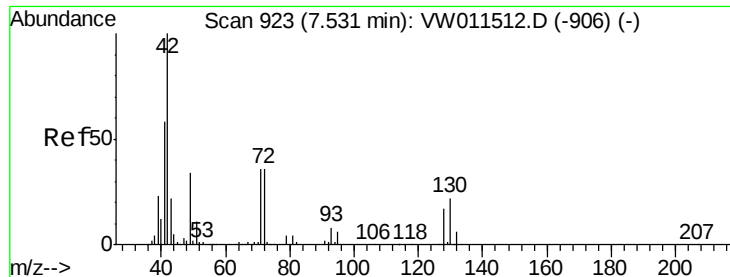
Bromochloromethane
Concen: 53.750 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 49 Resp: 116104
Ion Ratio Lower Upper
49 100
129 0.6 0.0 1.0
130 57.5 46.3 69.5



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

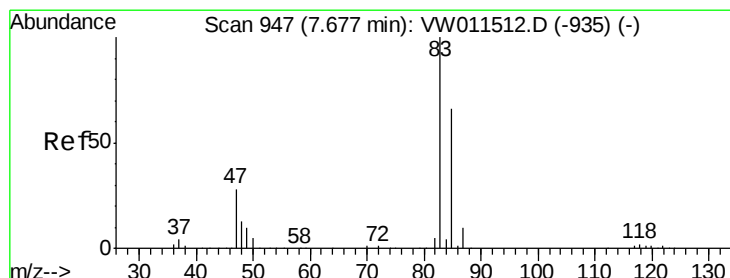
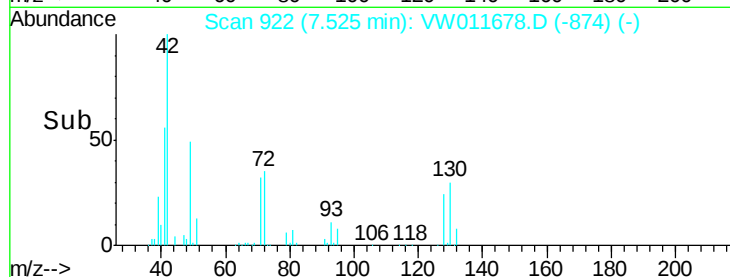
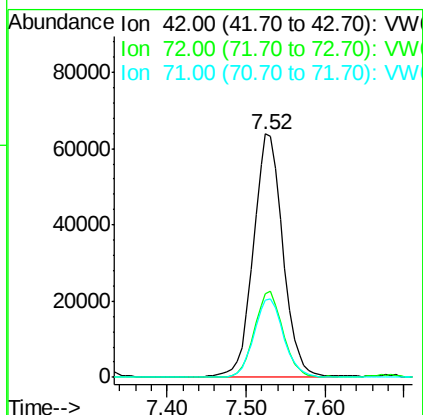
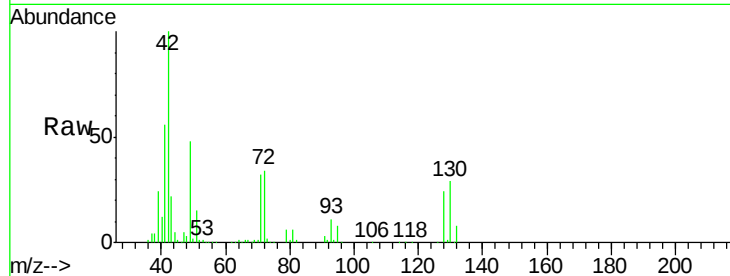




#29
Tetrahydrofuran
Concen: 280.591 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

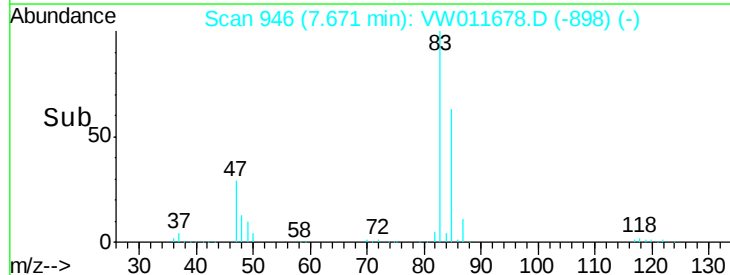
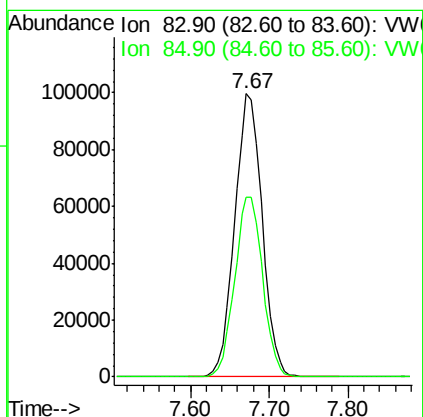
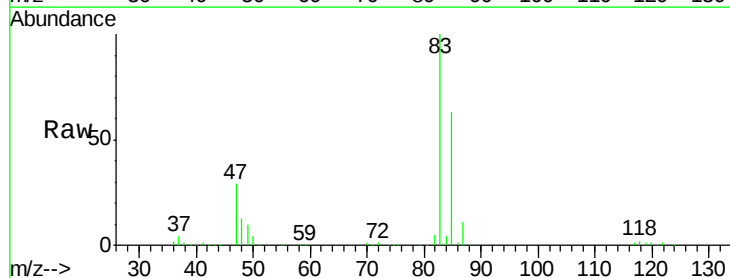
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

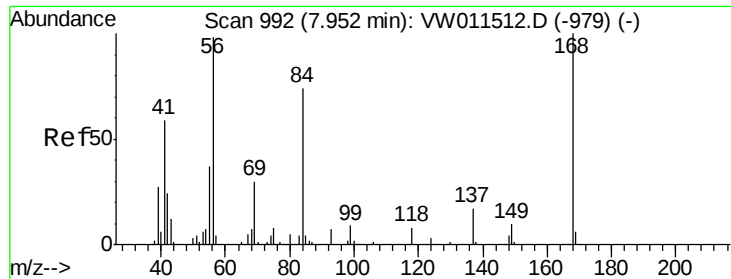
Tot Ion: 42 Resp: 166794
Ion Ratio Lower Upper
42 100
72 34.0 27.1 40.7
71 32.2 26.2 39.4



#30
Chloroform
Concen: 53.764 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 83 Resp: 241382
Ion Ratio Lower Upper
83 100
85 63.4 52.5 78.7

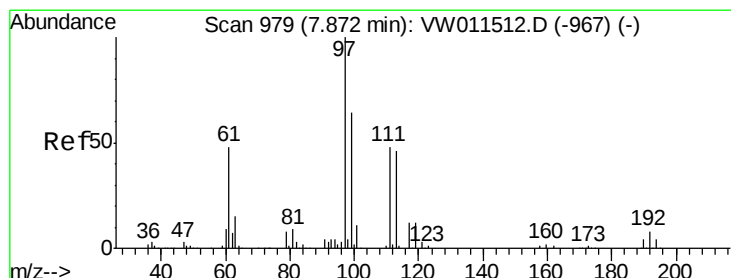
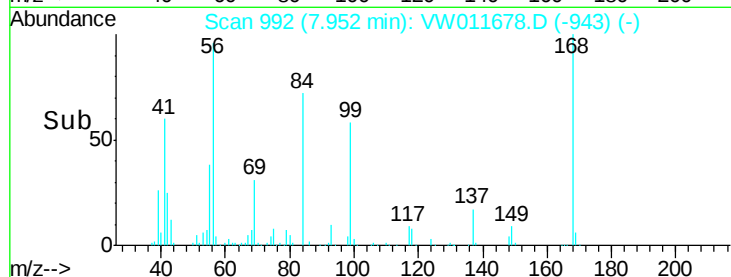
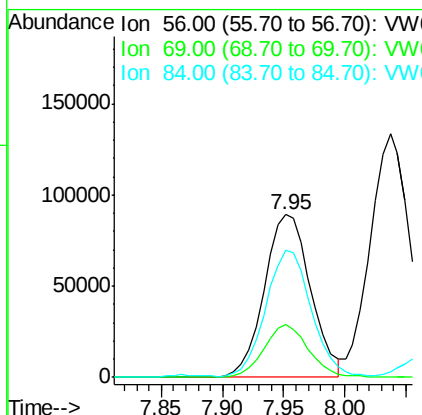
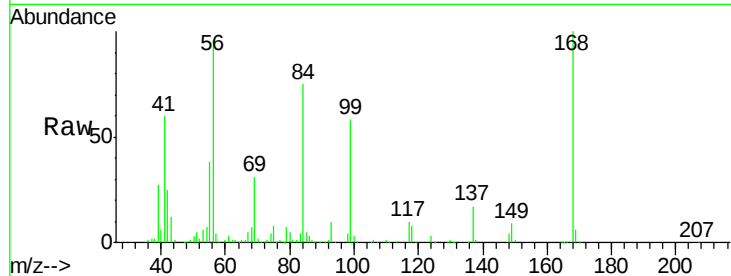




#31
Cyclohexane
Concen: 50.312 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

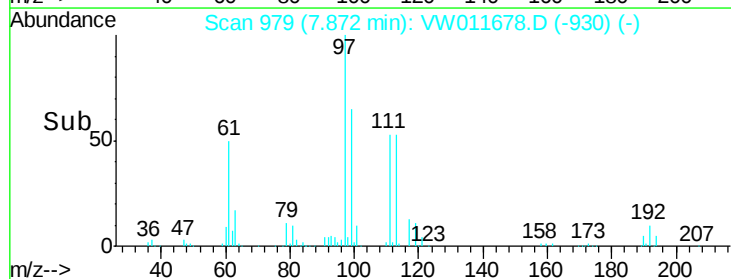
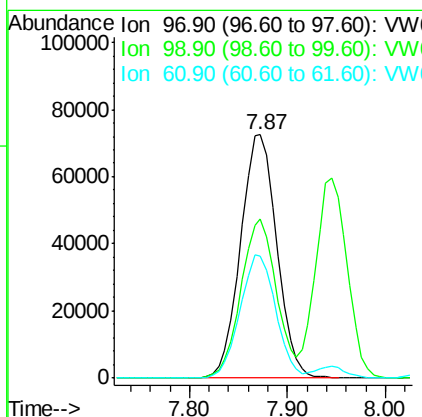
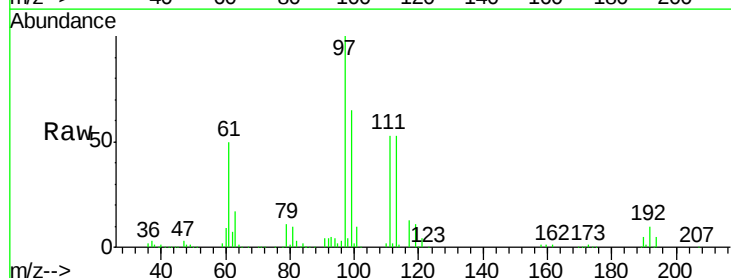
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

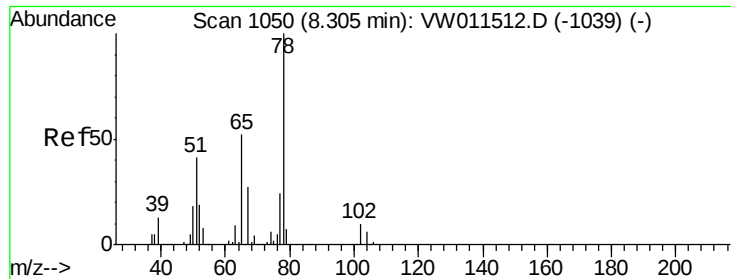
Tot Ion: 56 Resp: 235028
Ion Ratio Lower Upper
56 100
69 32.7 24.3 36.5
84 76.7 60.4 90.6



#32
1,1,1-Trichloroethane
Concen: 54.494 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 97 Resp: 186325
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 50.2 39.8 59.6

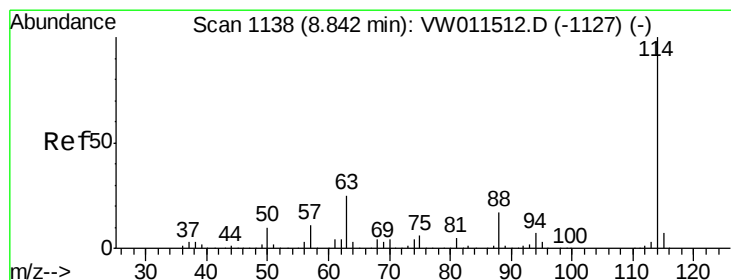
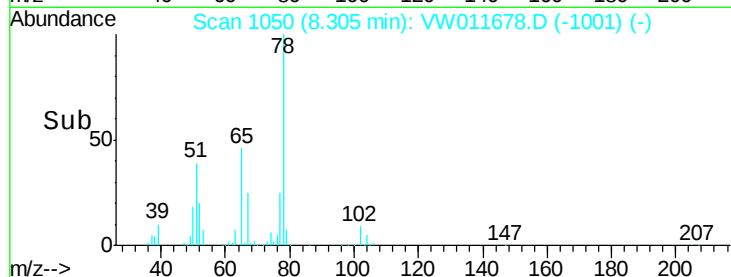
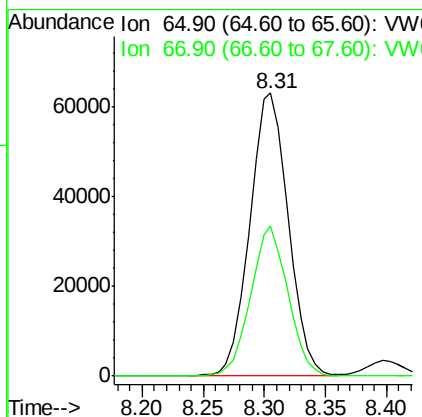
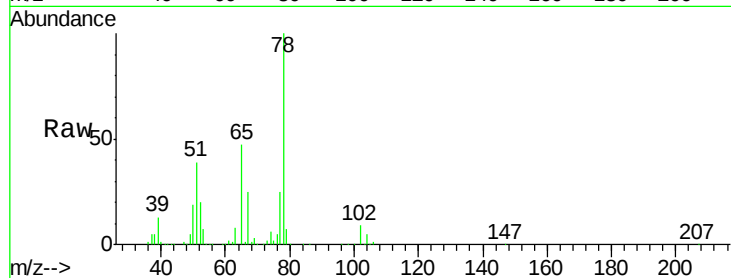




#33
 1,2-Dichloroethane-d4
 Concen: 55.160 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

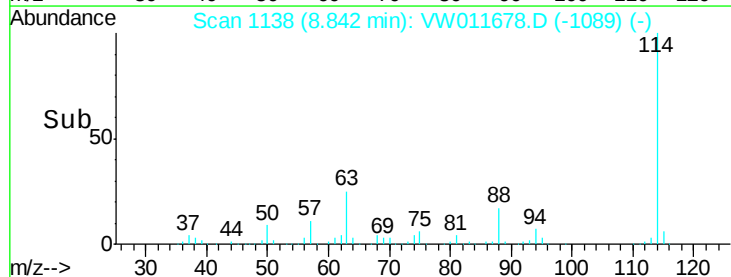
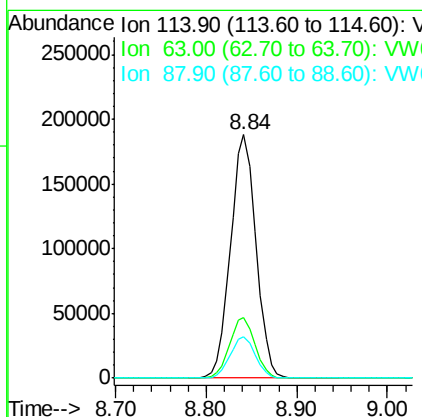
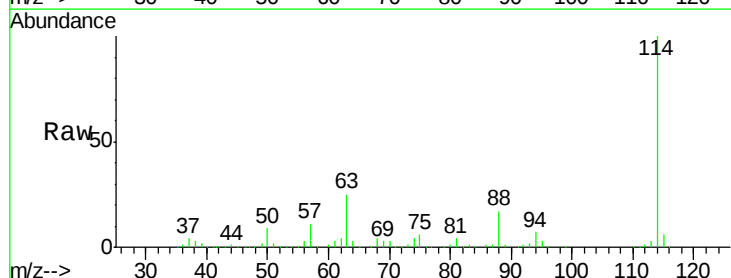
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

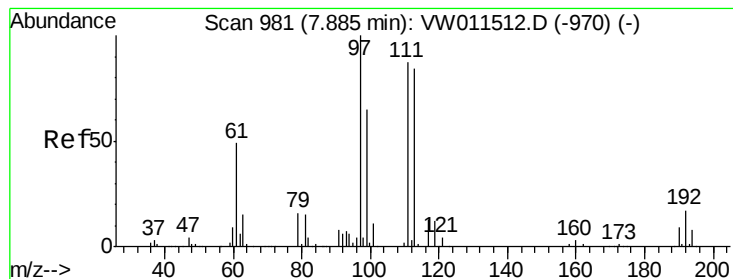
Tot Ion: 65 Resp: 137813
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion: 114 Resp: 365989
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.733 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

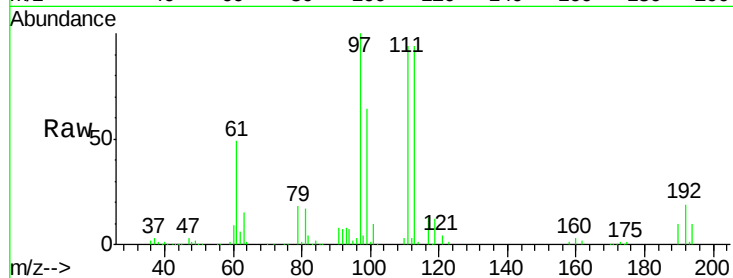
Tot Ion:113 Resp: 110327

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

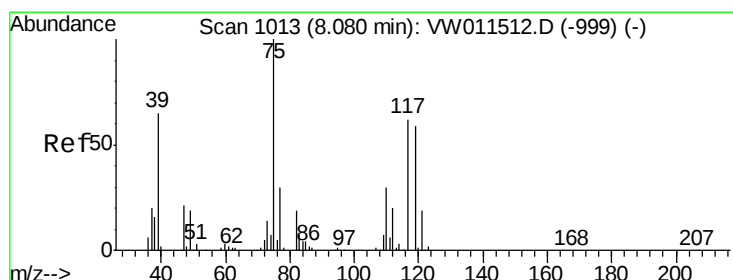
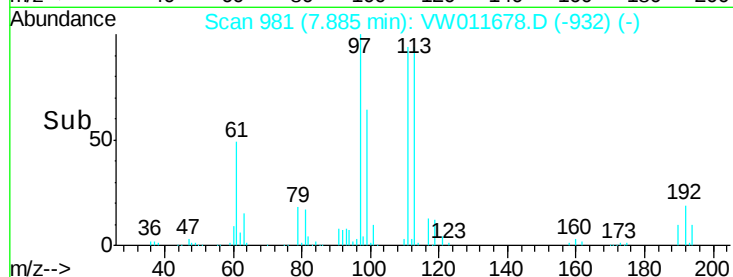
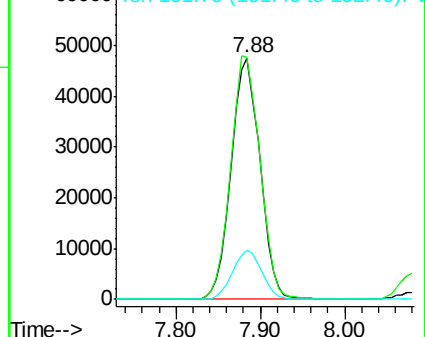
192 20.5 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.874 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

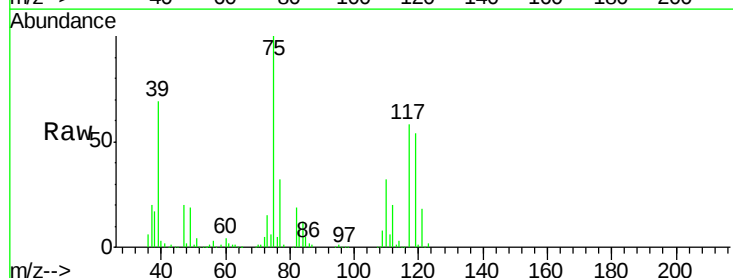
Tgt Ion: 75 Resp: 197412

Ion Ratio Lower Upper

75 100

110 31.5 15.6 46.8

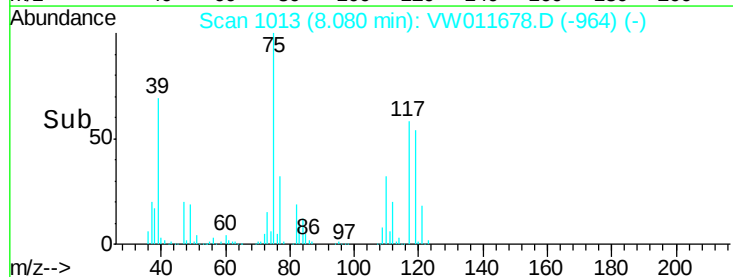
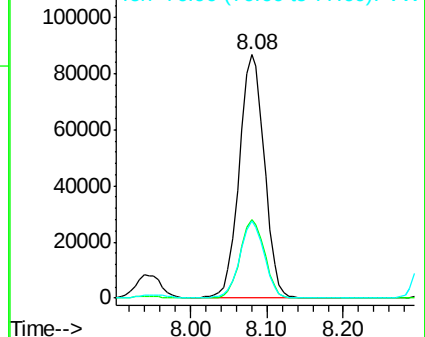
77 31.0 24.3 36.5

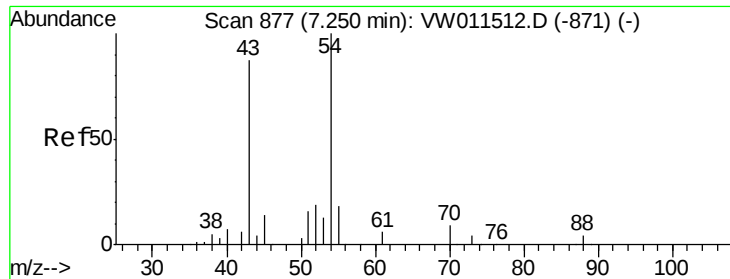


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

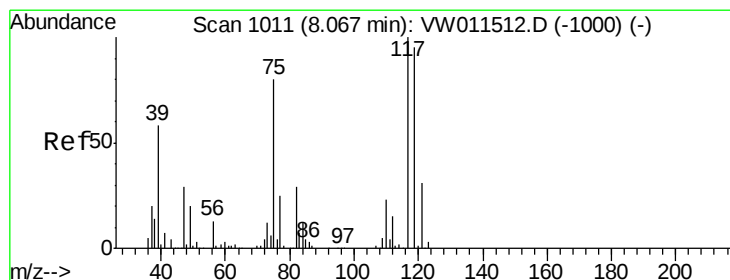
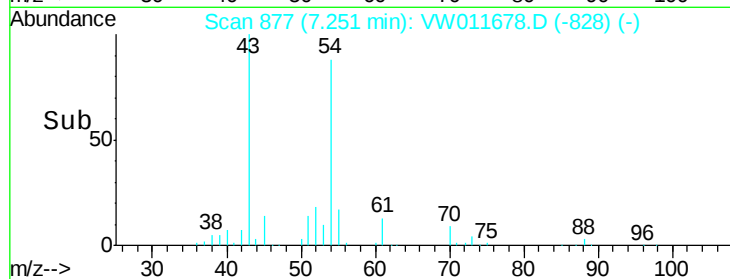
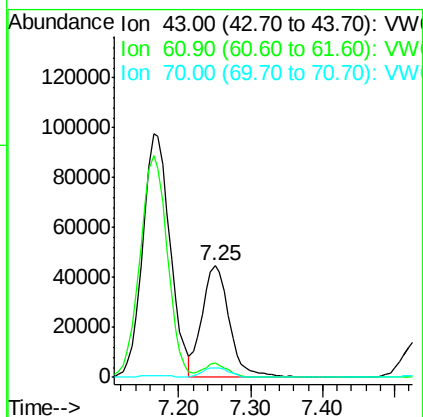
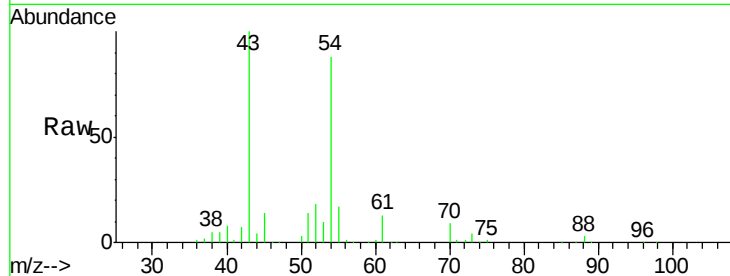




#37
Ethyl Acetate
Concen: 53.576 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

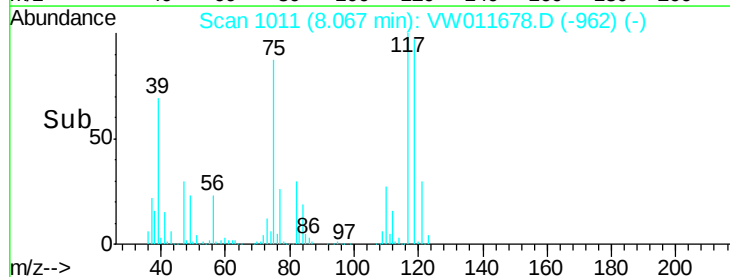
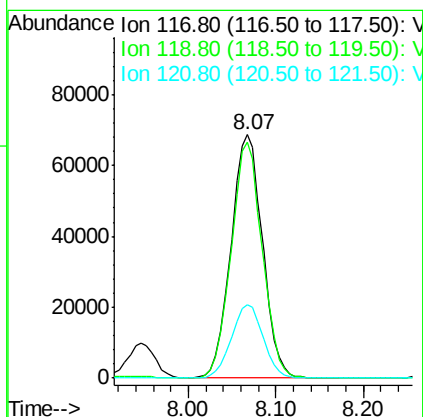
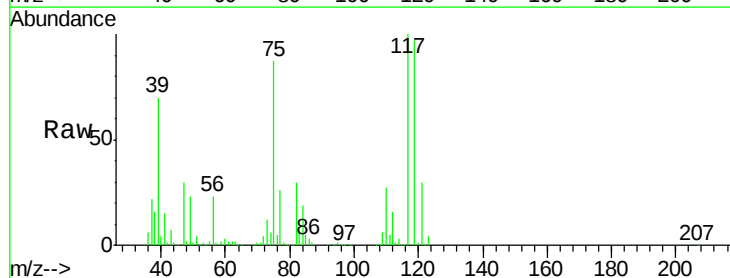
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

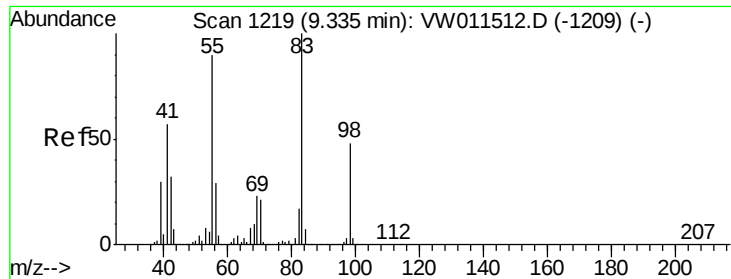
Tot Ion: 43 Resp: 117304
Ion Ratio Lower Upper
43 100
61 11.1 8.8 13.2
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.722 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 117 Resp: 171763
Ion Ratio Lower Upper
117 100
119 97.1 75.8 113.6
121 30.0 24.7 37.1

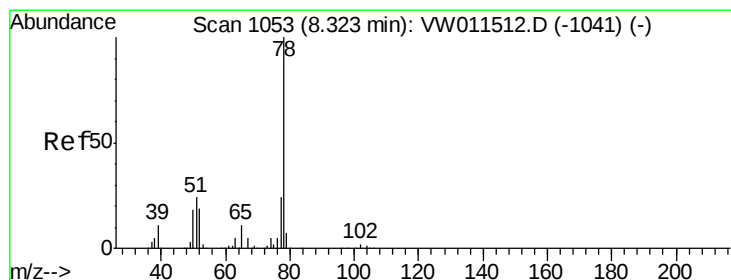
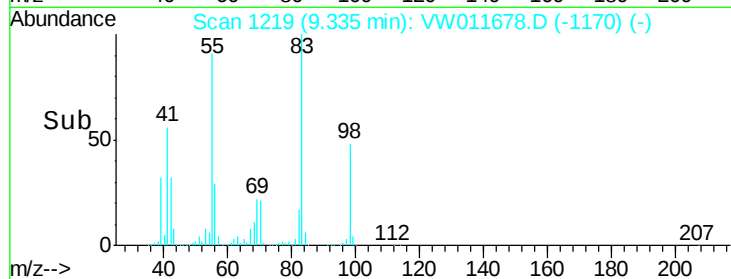
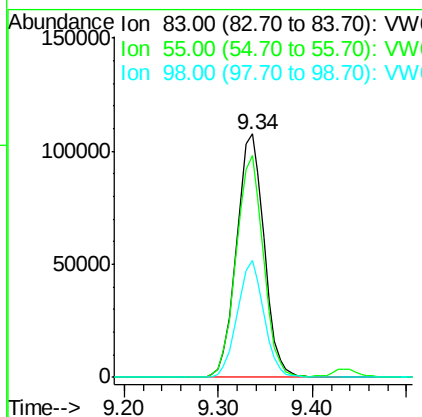
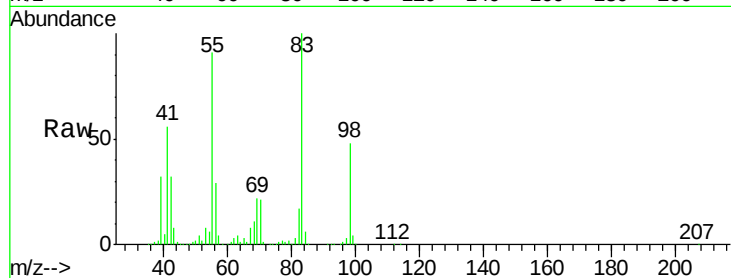




#39
Methvlcvclohexane
Concen: 52.486 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

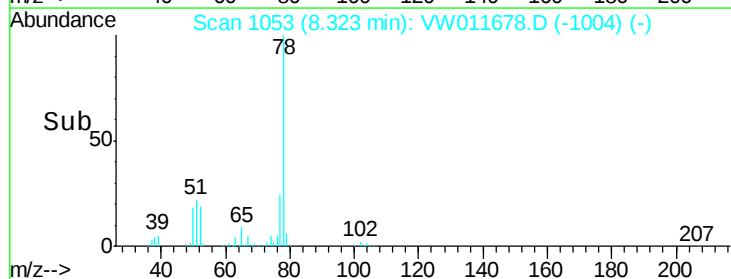
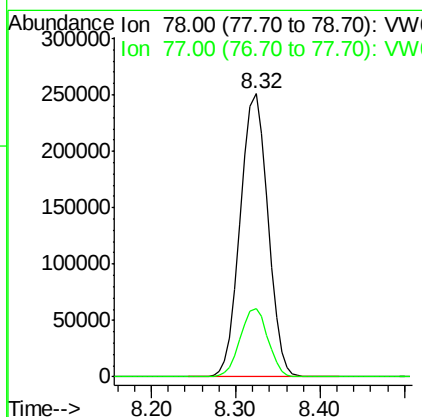
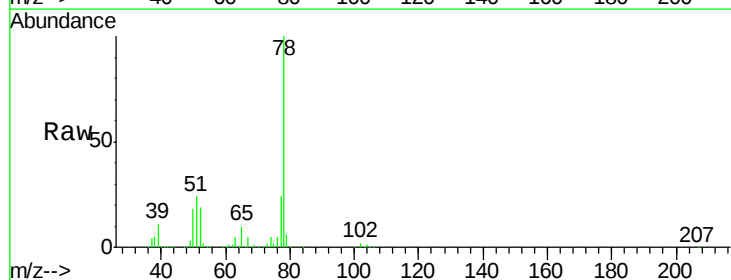
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

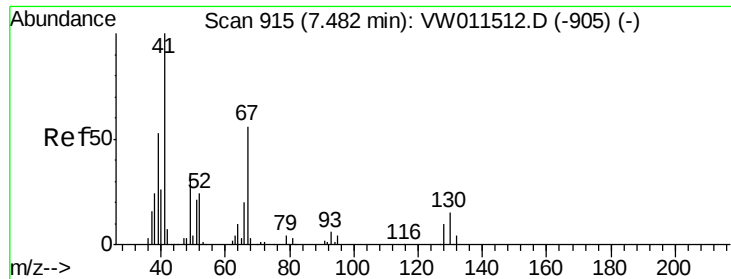
Tot Ion: 83 Resp: 219939
Ion Ratio Lower Upper
83 100
55 91.2 72.1 108.1
98 48.2 38.6 57.8



#40
Benzene
Concen: 52.166 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 78 Resp: 556081
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

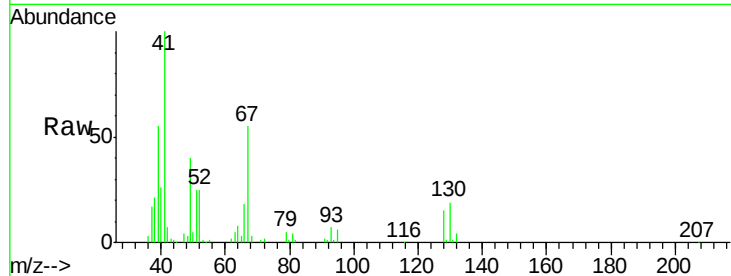




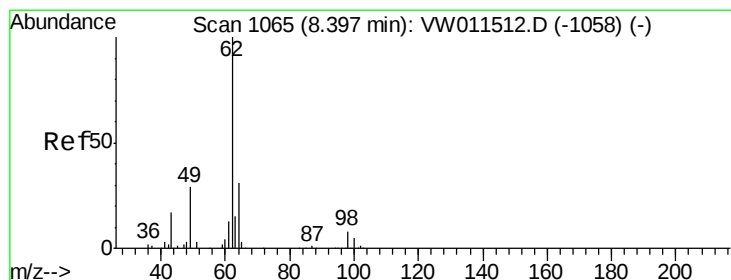
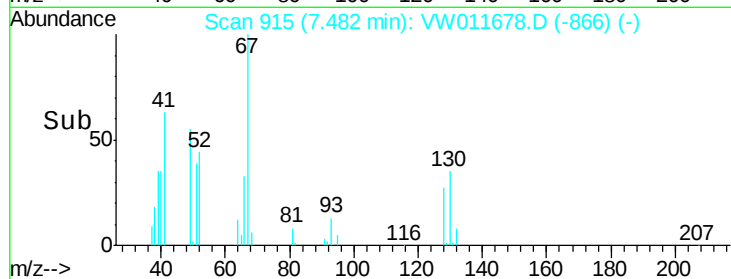
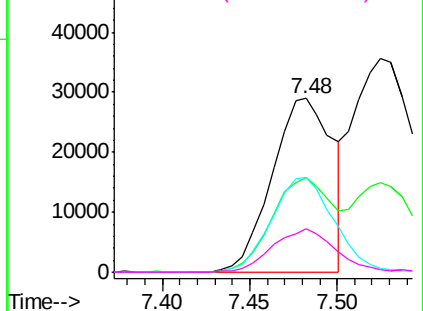
#41
Methacrylonitrile
Concen: 53.391 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	69878
Ion	Ratio	Lower	Upper
41	100		
39	53.5	43.0	64.4
67	57.0	47.5	71.3
52	26.6	21.0	31.6

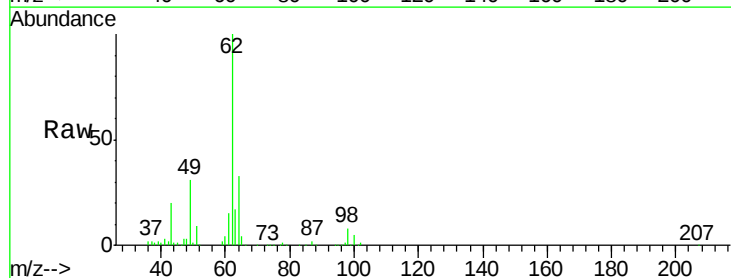


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

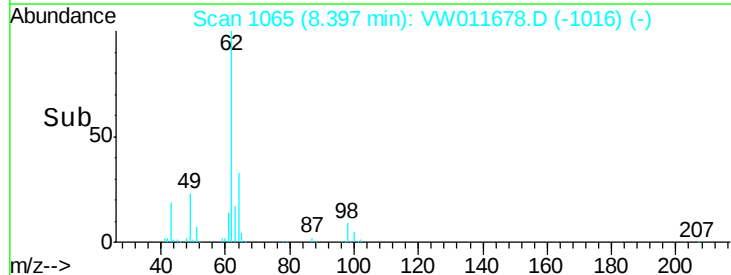
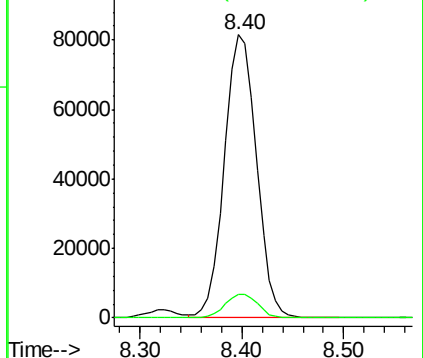


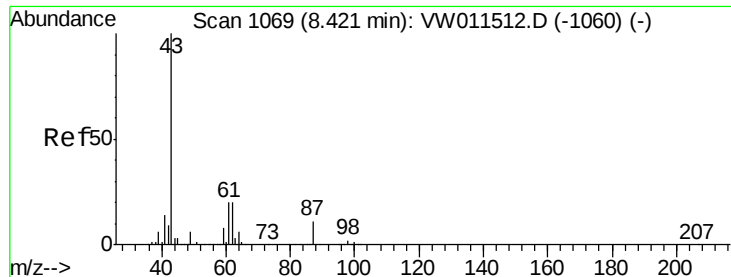
#42
1,2-Dichloroethane
Concen: 53.400 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion:	62	Resp:	178220
Ion	Ratio	Lower	Upper
62	100		
98	8.6	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: 54.314 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

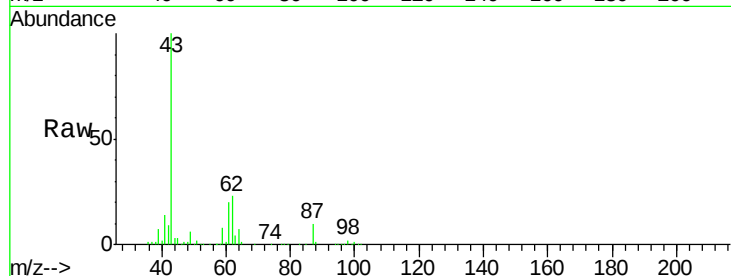
Tot Ion: 43 Resp: 218701

Ion Ratio Lower Upper

43 100

61 26.4 21.5 32.3

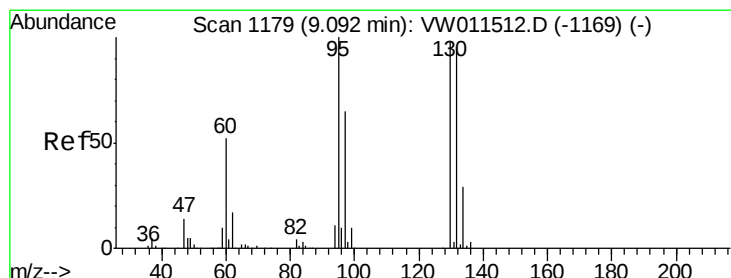
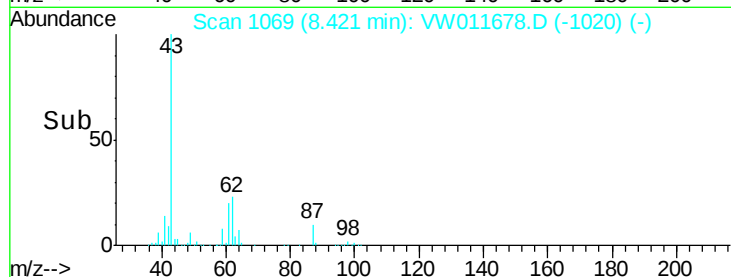
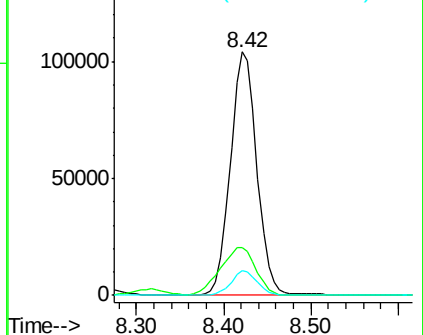
87 10.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.420 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011678.D

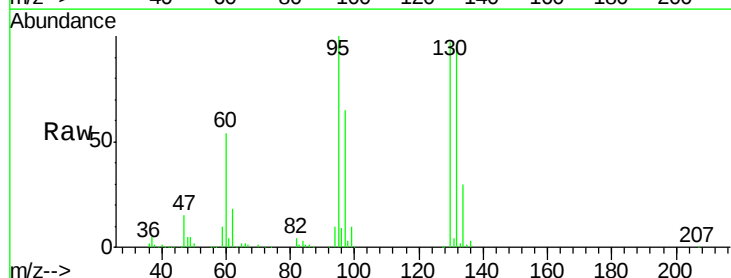
Acq: 03 Aug 2019 20:56

Tgt Ion: 130 Resp: 134302

Ion Ratio Lower Upper

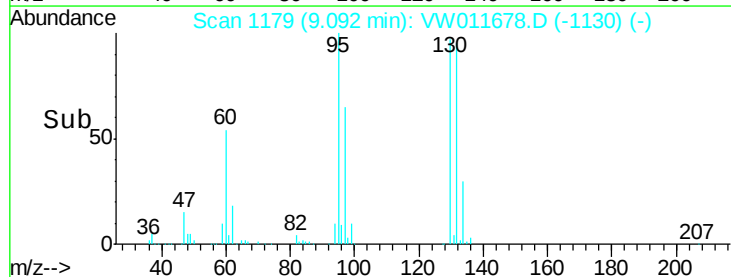
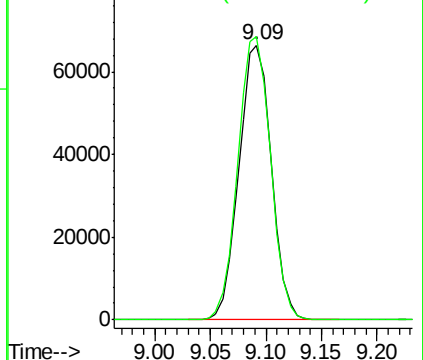
130 100

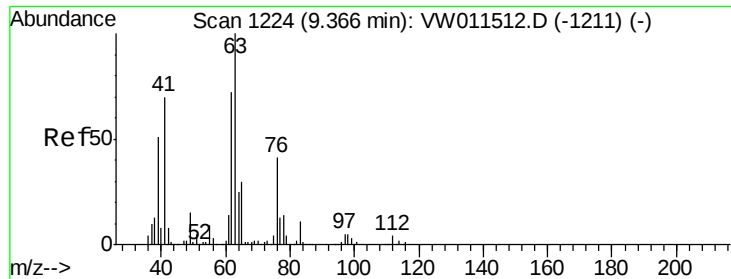
95 103.1 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.804 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

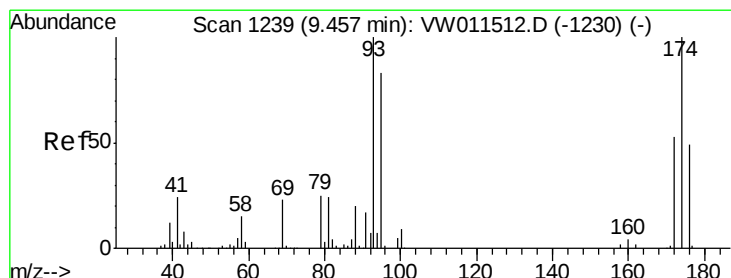
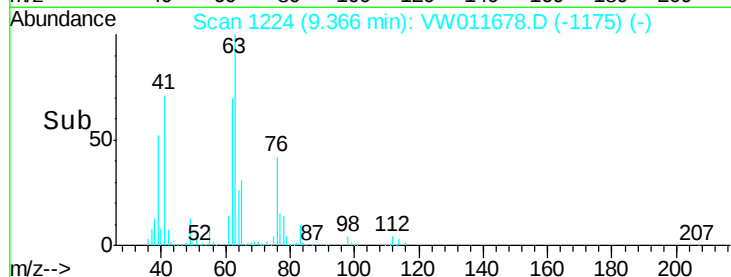
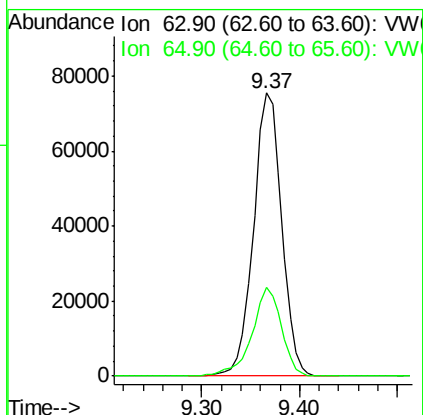
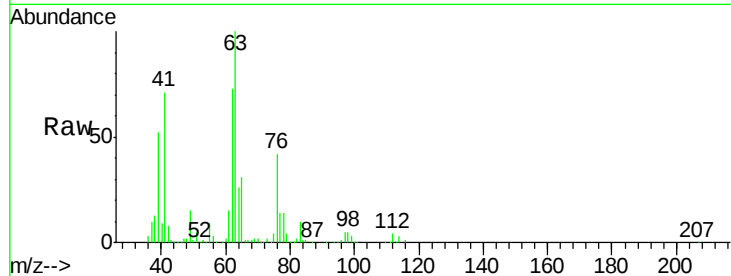
VSTDCCC050EC

Tot Ion: 63 Resp: 150607

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.4



#46

Dibromomethane

Concen: 53.446 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

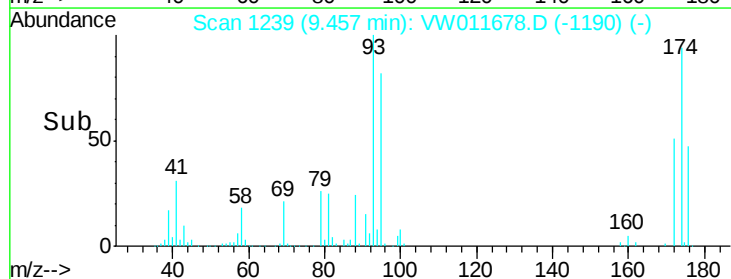
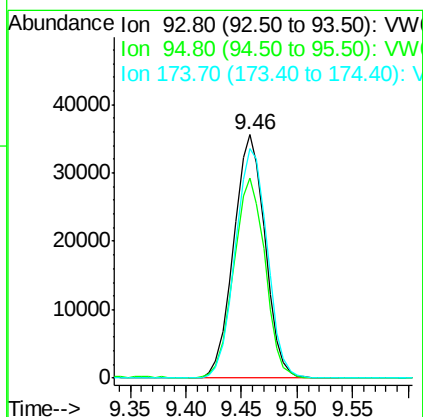
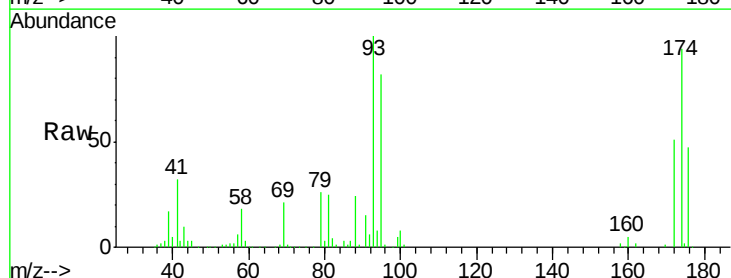
Tgt Ion: 93 Resp: 69576

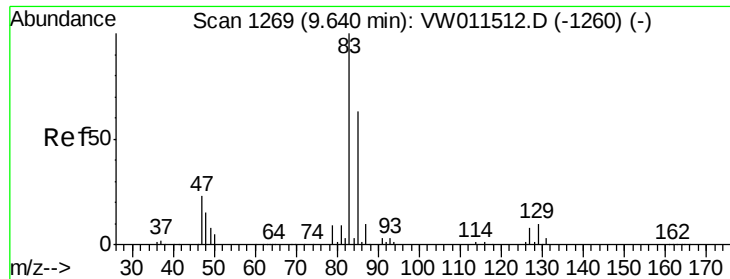
Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.2

174 96.2 78.2 117.4

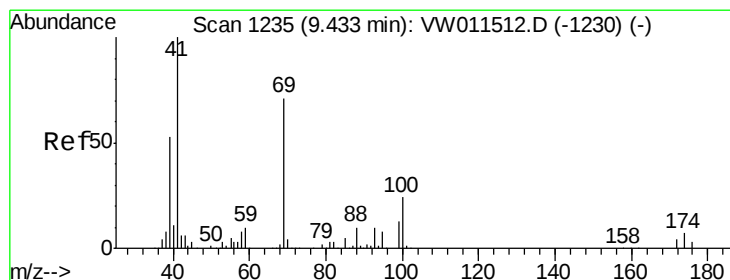
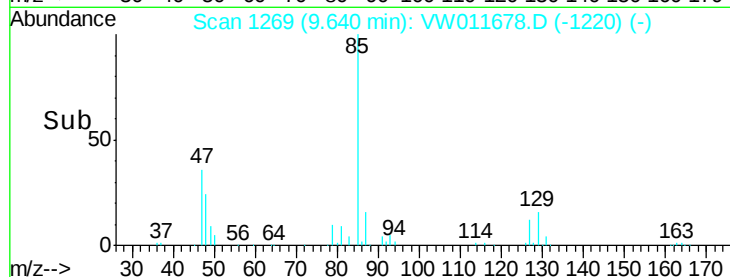
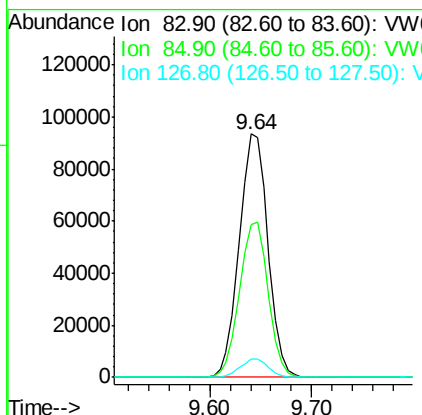
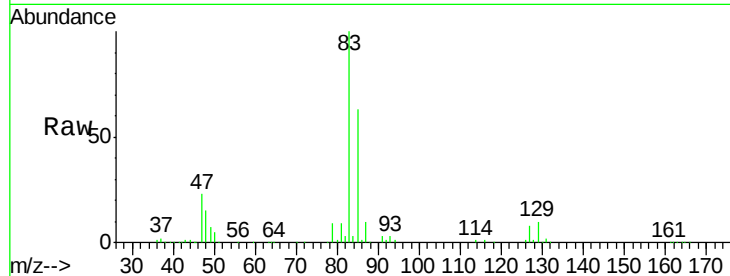




#47
 Bromodichloromethane
 Concen: 53.463 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

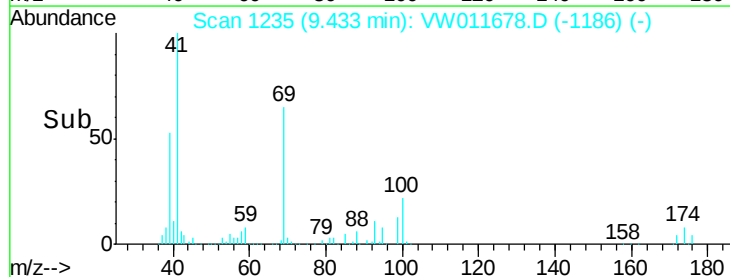
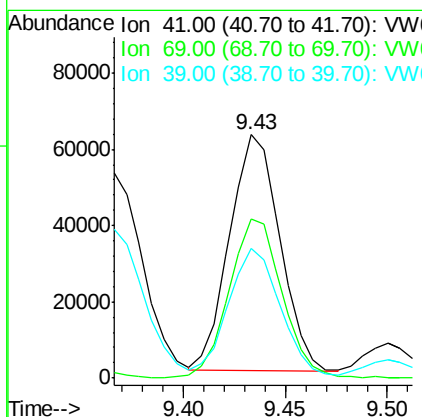
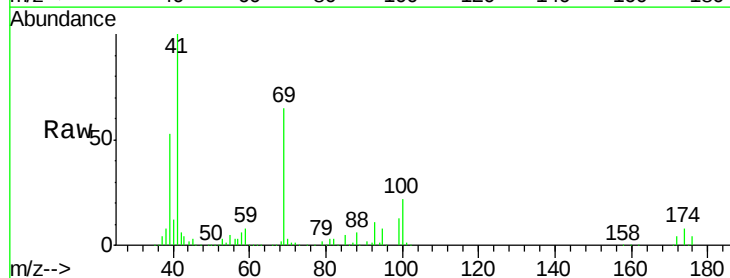
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

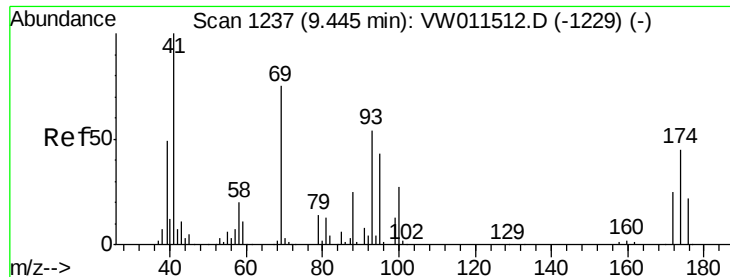
Tot Ion: 83 Resp: 182564
 Ion Ratio Lower Upper
 83 100
 85 63.0 50.5 75.7
 127 7.8 6.4 9.6



#48
 Methyl methacrylate
 Concen: 55.096 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion: 41 Resp: 106569
 Ion Ratio Lower Upper
 41 100
 69 70.5 57.1 85.7
 39 57.4 45.4 68.2





#49

1,4-Dioxane

Concen: 1045.193 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

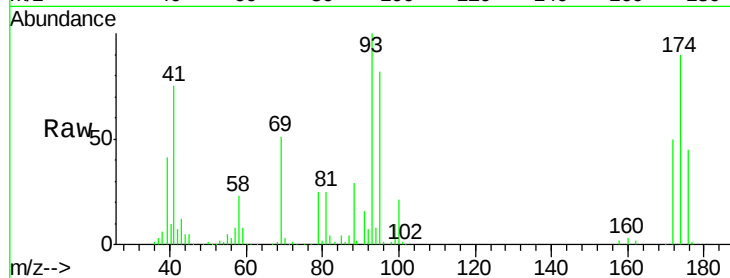
Tot Ion: 88 Resp: 19701

Ion Ratio Lower Upper

88 100

43 41.5 34.0 51.0

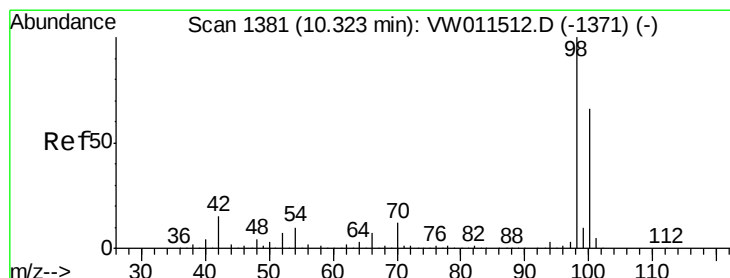
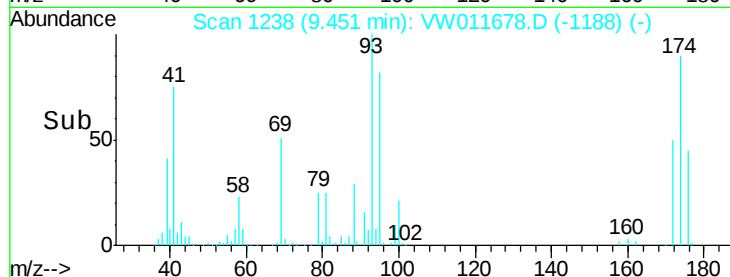
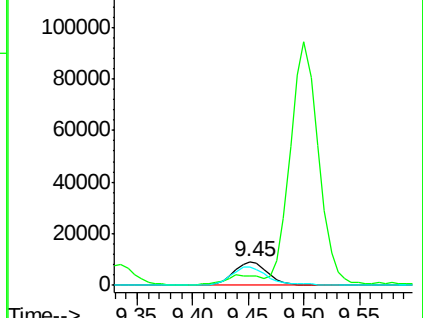
58 85.7 69.7 104.5



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: 52.748 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011678.D

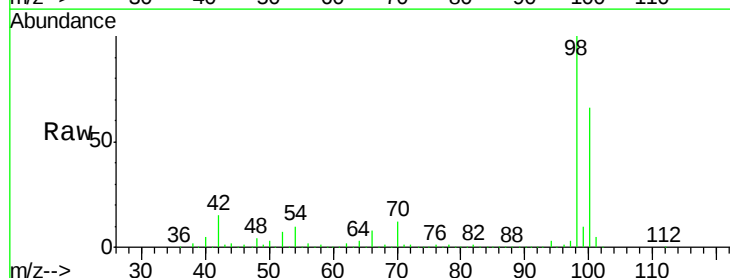
Acq: 03 Aug 2019 20:56

Tgt Ion: 98 Resp: 443436

Ion Ratio Lower Upper

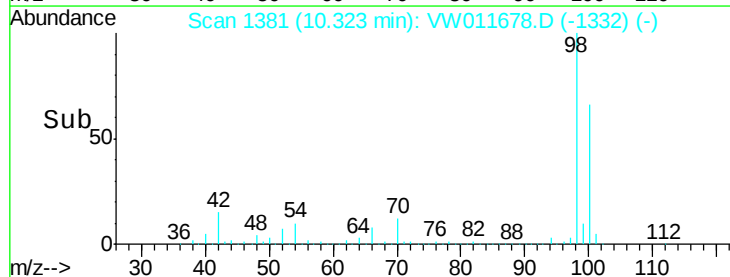
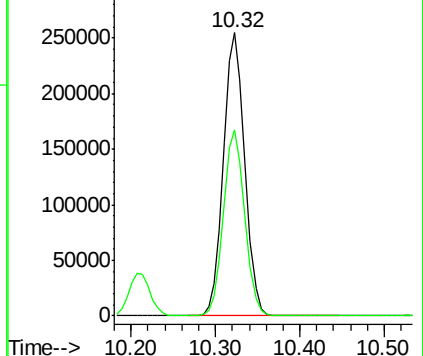
98 100

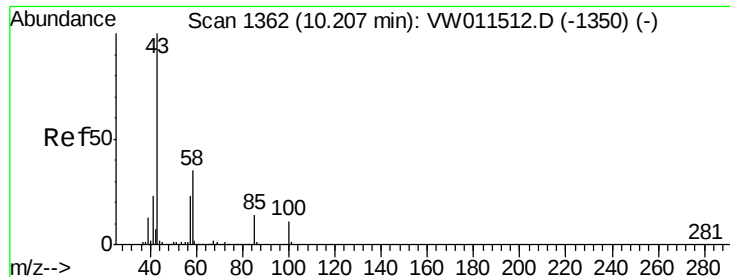
100 65.3 52.7 79.1



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: 273.490 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

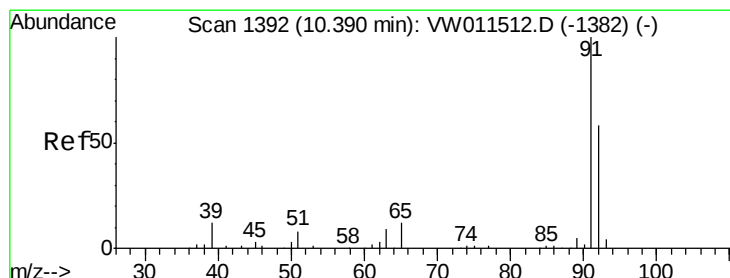
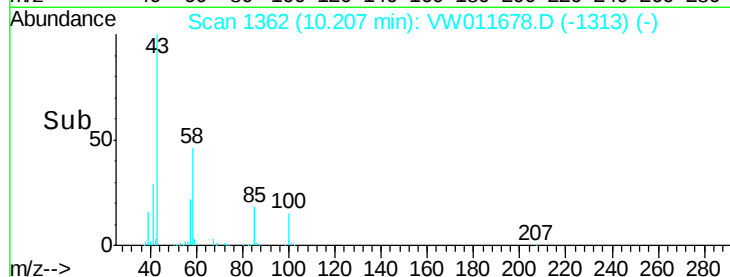
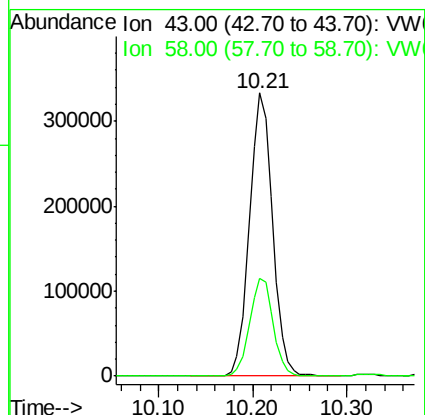
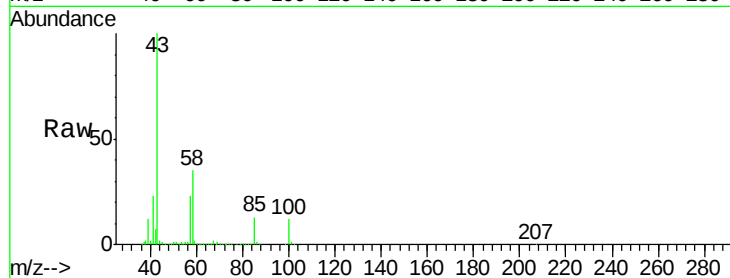
VSTDCCC050EC

Tot Ion: 43 Resp: 572808

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 52.452 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011678.D

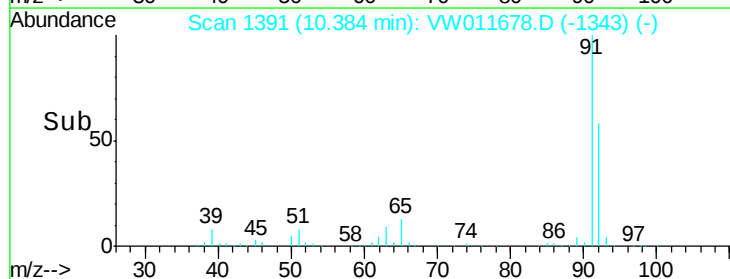
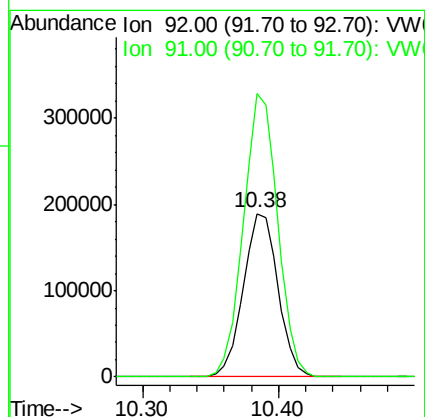
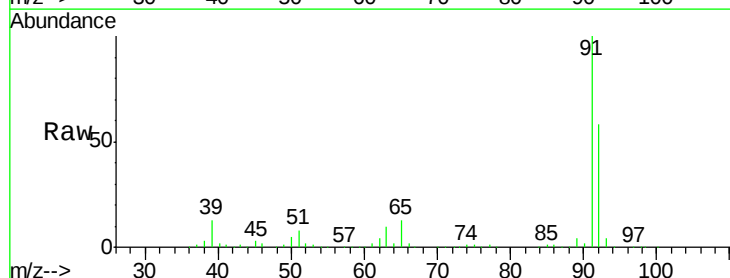
Acq: 03 Aug 2019 20:56

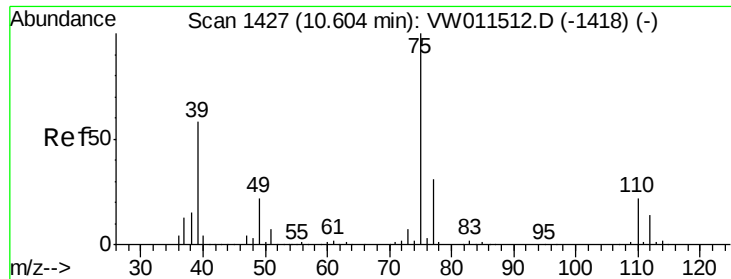
Tgt Ion: 92 Resp: 337656

Ion Ratio Lower Upper

92 100

91 171.2 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.450 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

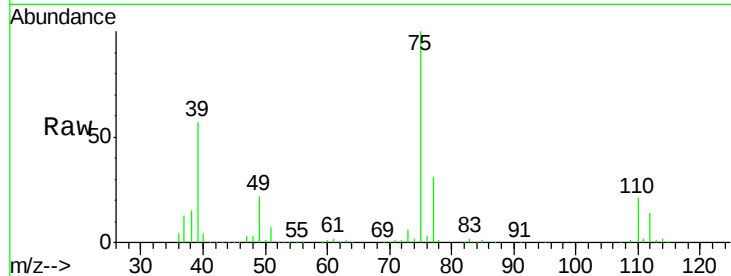
VSTDCCC050EC

Tot Ion: 75 Resp: 187094

Ion Ratio Lower Upper

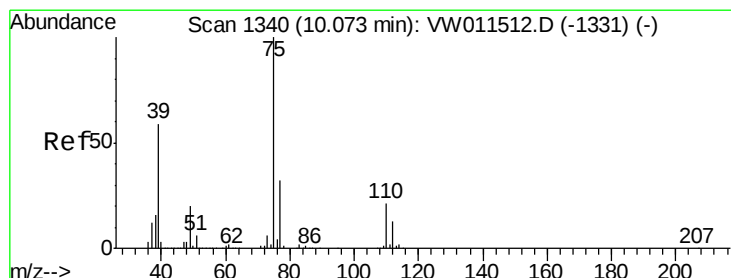
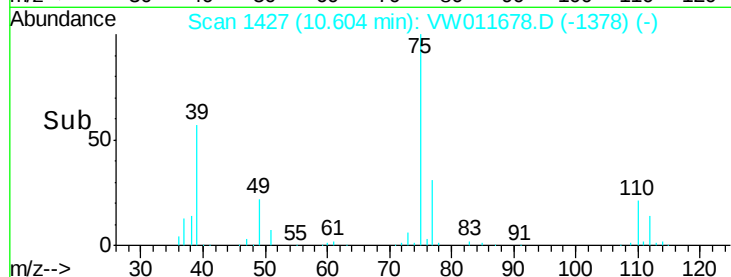
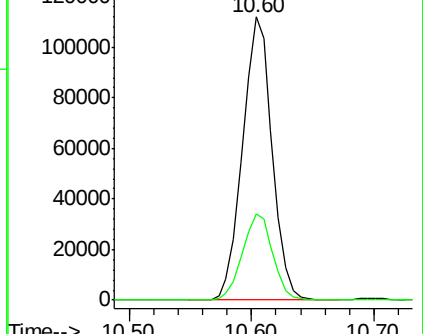
75 100

77 30.6 25.0 37.4



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: 52.059 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

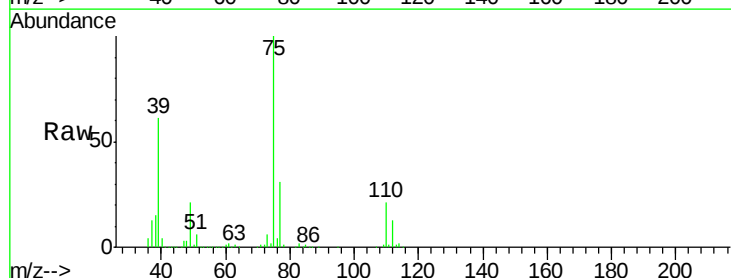
Tgt Ion: 75 Resp: 220799

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

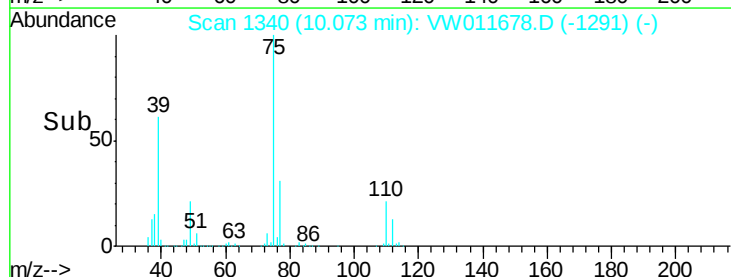
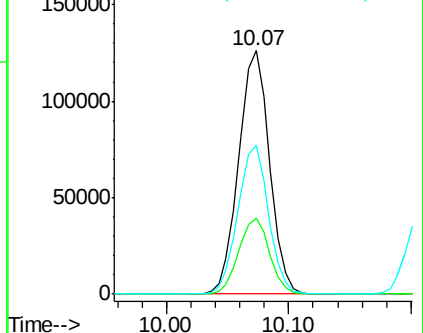
39 61.0 47.0 70.4

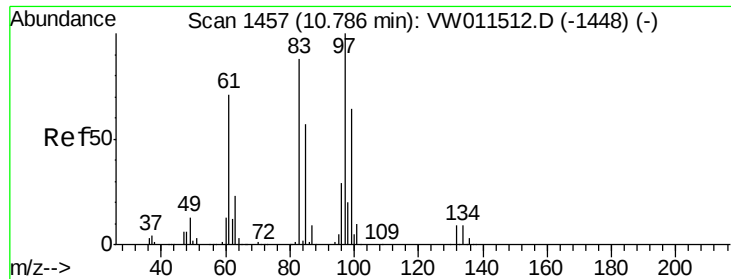


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

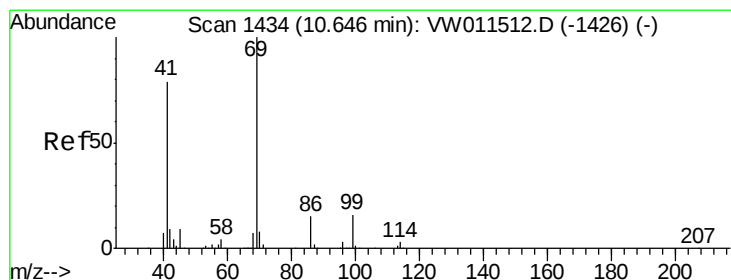
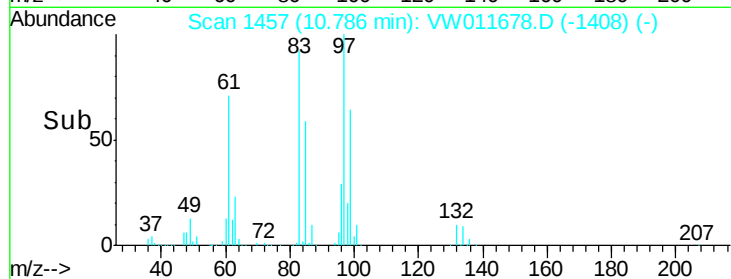
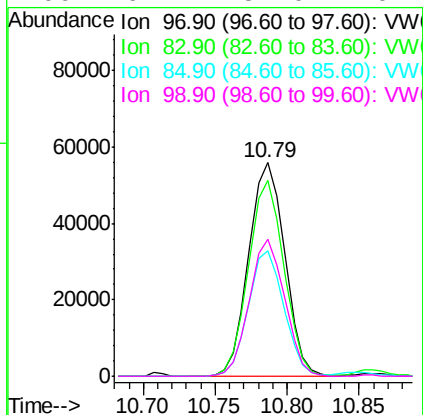
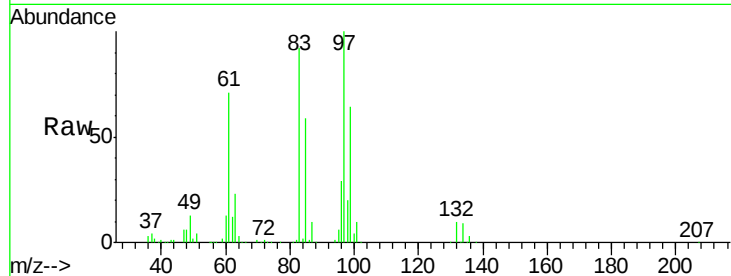




#55
 1,1,2-Trichloroethane
 Concen: 52.383 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

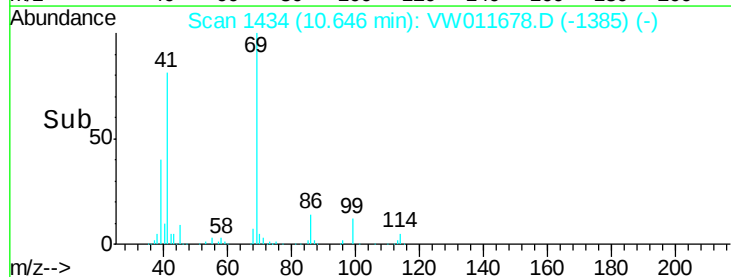
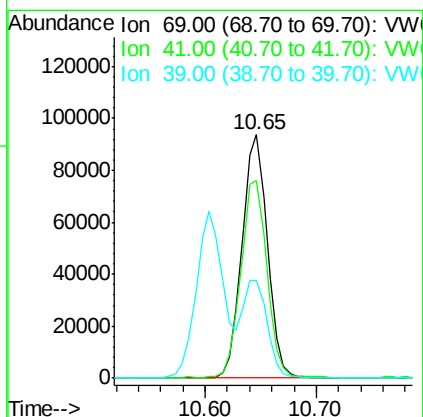
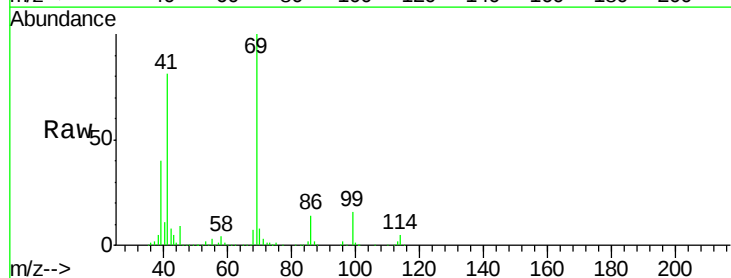
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

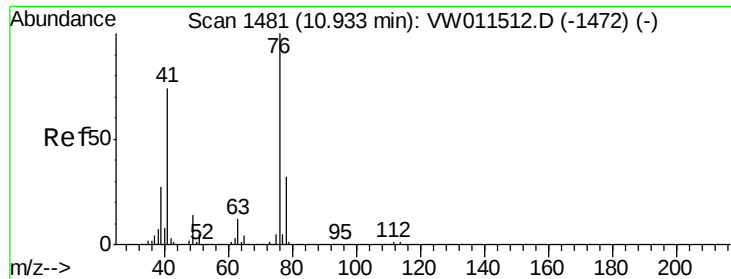
Tot Ion:	97	Resp:	96755
Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.5	105.7
85	58.7	45.8	68.6
99	64.2	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 54.924 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion:	69	Resp:	148450
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.6	99.8
39	38.2	30.3	45.5

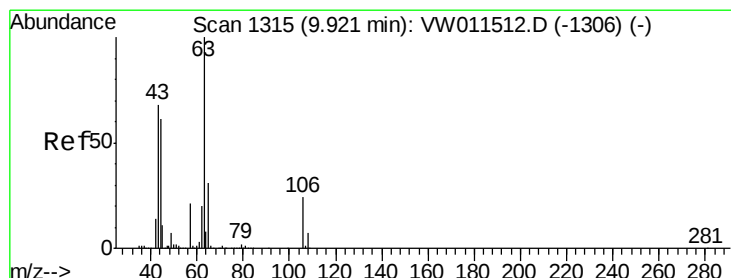
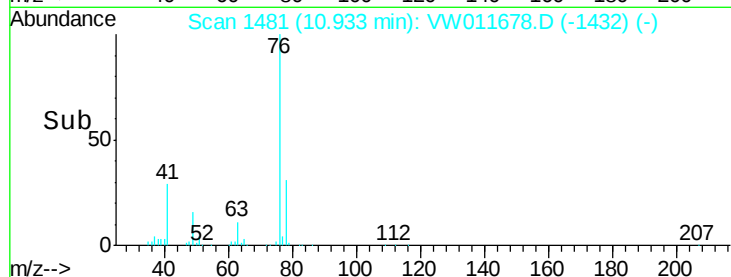
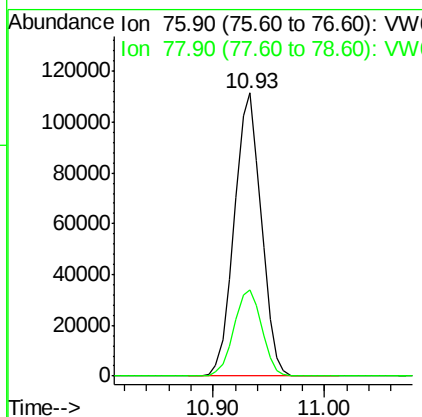
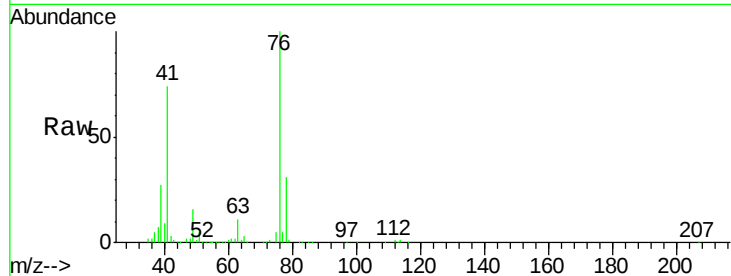




#57
 1,3-Dichloropropane
 Concen: 53.390 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

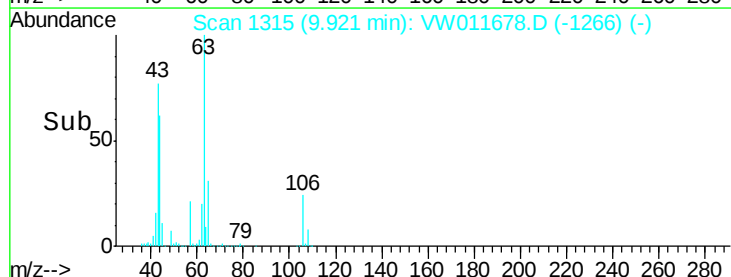
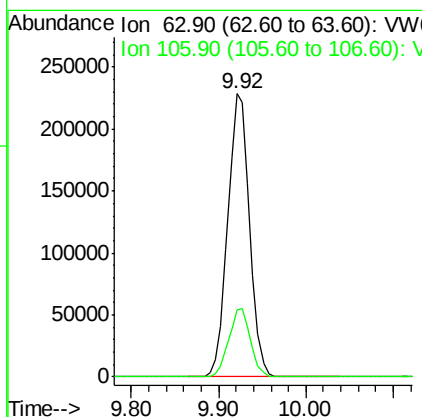
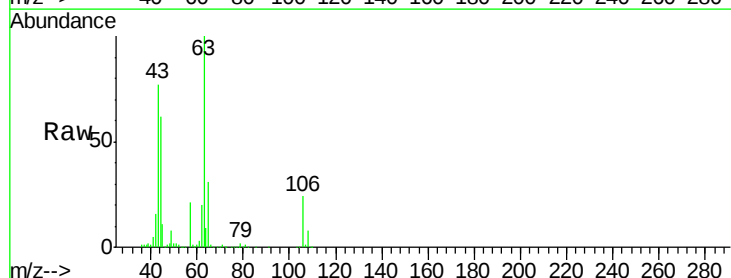
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

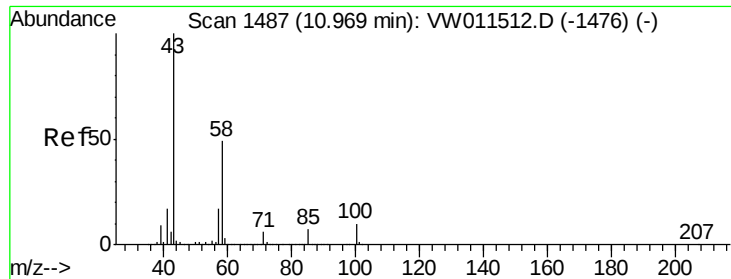
Tot Ion: 76 Resp: 186567
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 321.360 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion: 63 Resp: 394371
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.7 29.5

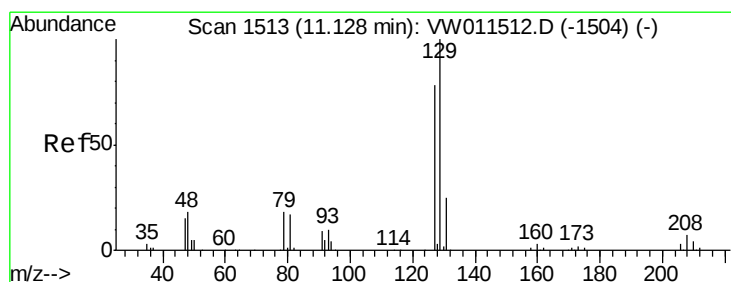
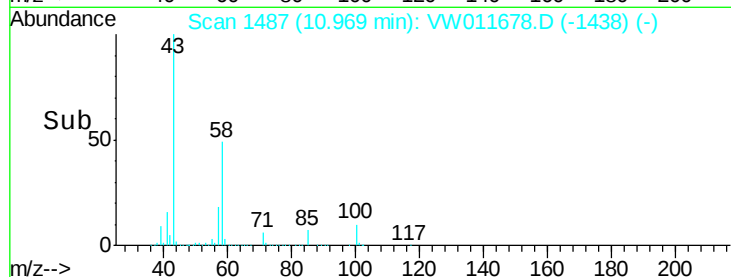
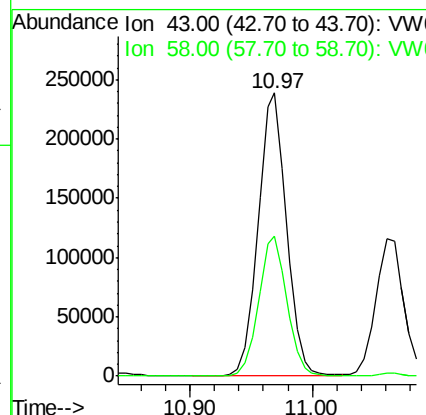
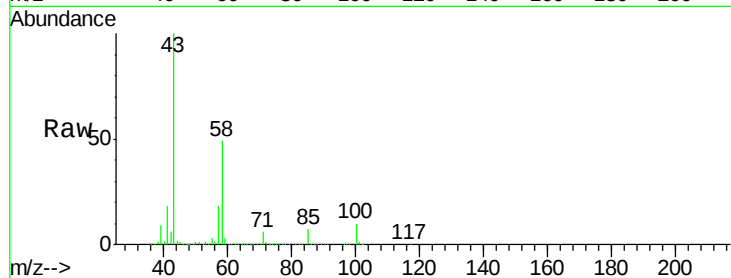




#59
2-Hexanone
Concen: 261.171 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

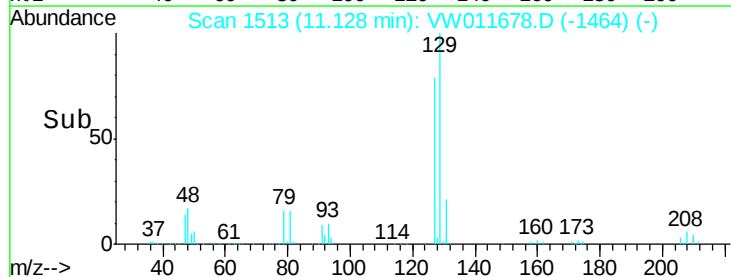
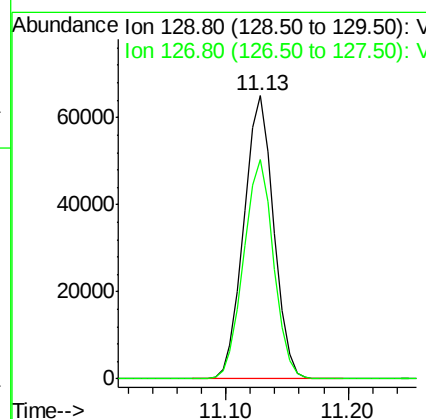
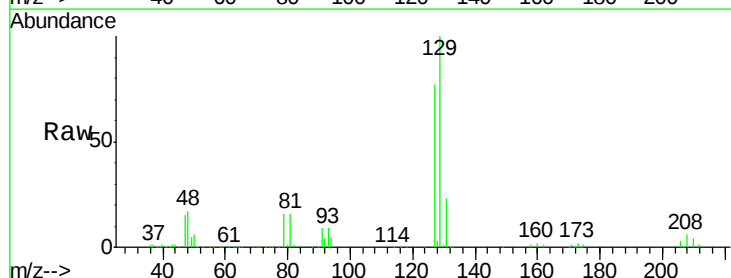
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

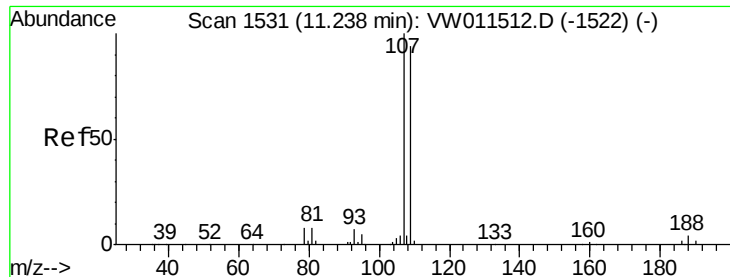
Tot Ion: 43 Resp: 386222
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9



#60
Dibromochloromethane
Concen: 53.601 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 129 Resp: 109897
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

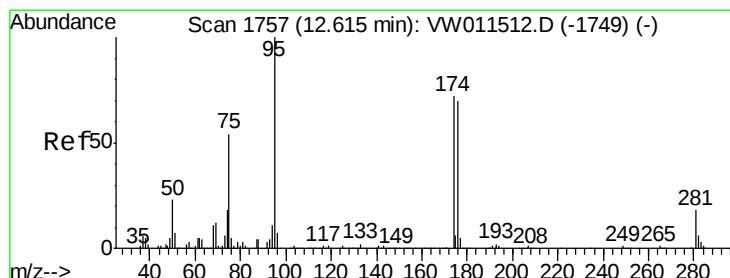
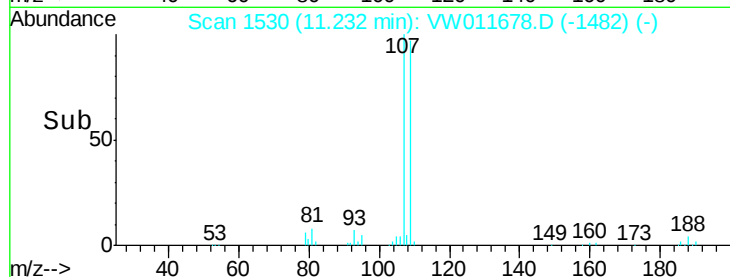
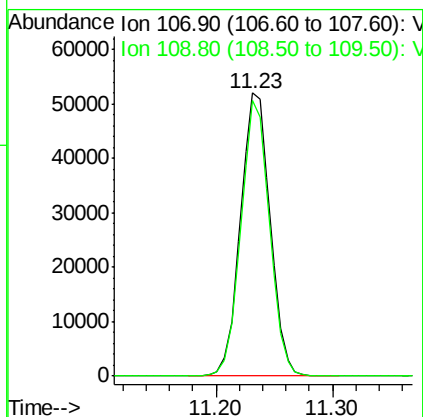
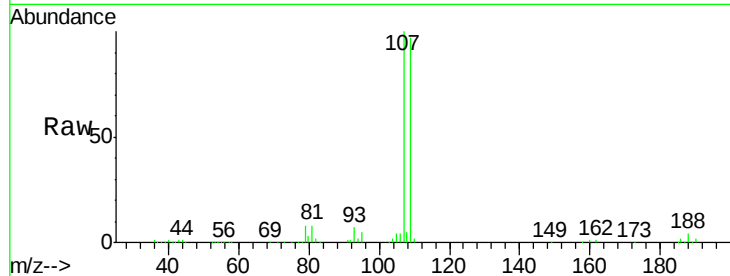




#61
 1,2-Dibromoethane
 Concen: 53.050 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

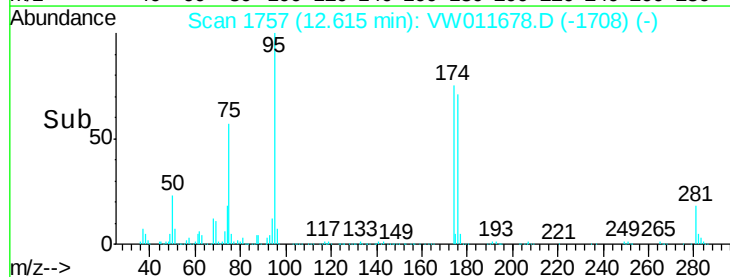
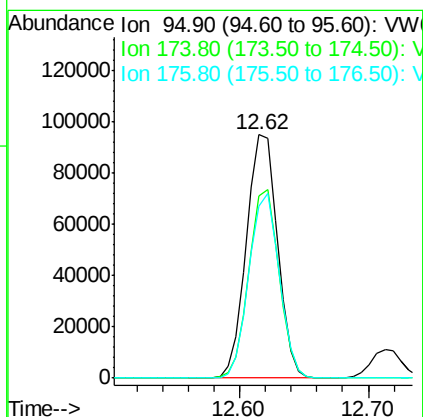
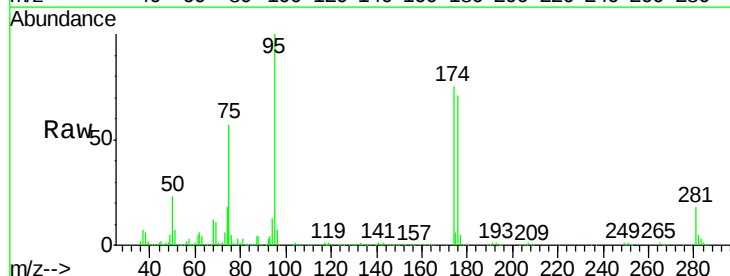
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

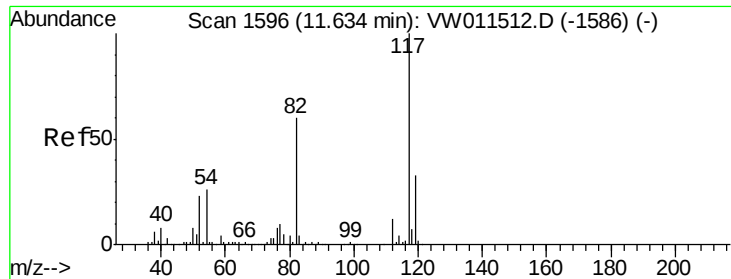
Tot Ion: 107 Resp: 92727
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.904 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion: 95 Resp: 158561
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.2
 176 73.6 0.0 144.4

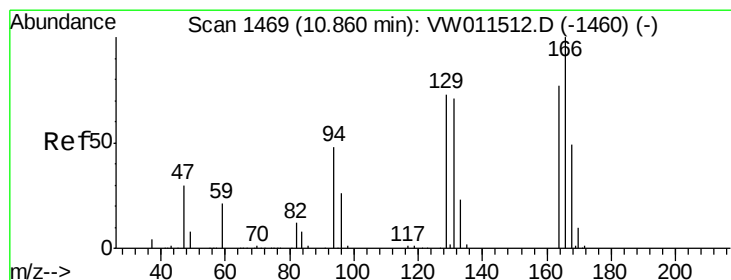
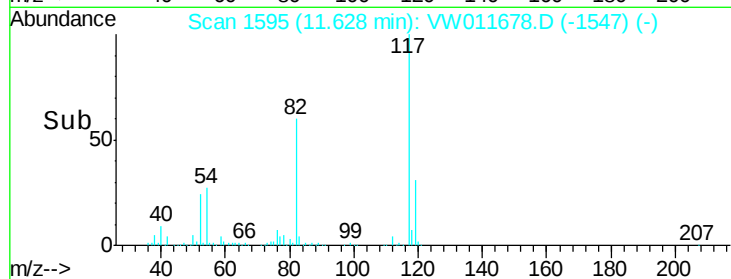
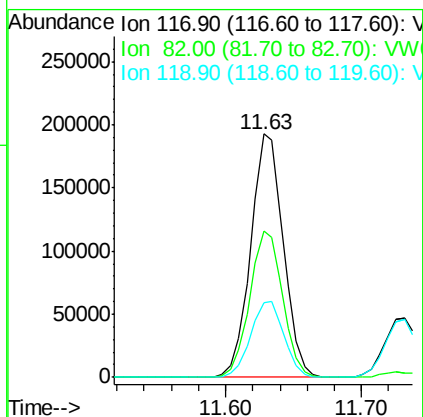
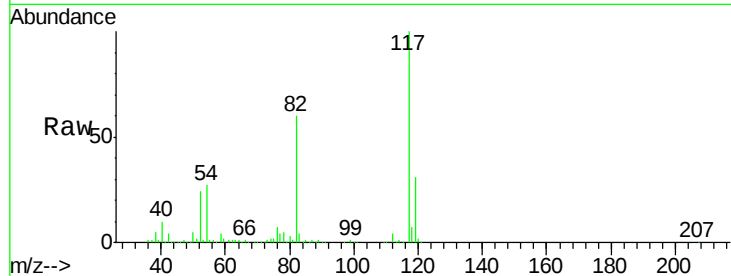




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

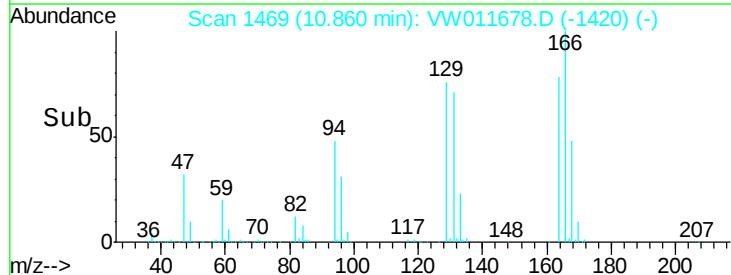
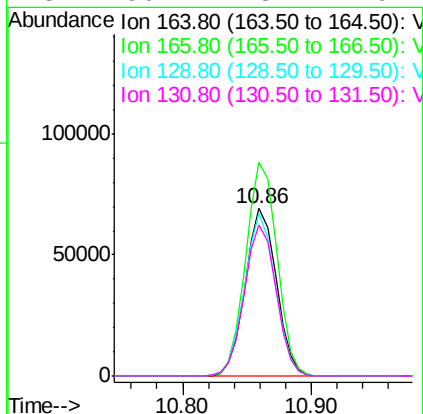
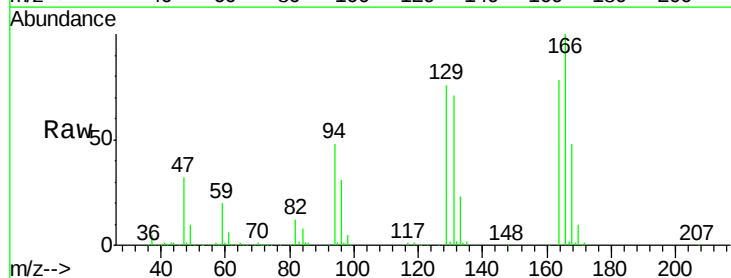
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

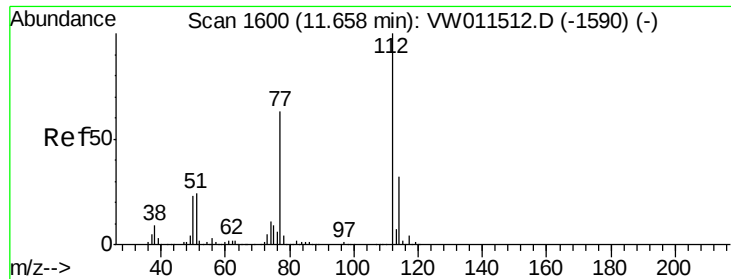
Tot Ion:117 Resp: 323673
Ion Ratio Lower Upper
117 100
82 60.3 47.9 71.9
119 30.7 26.2 39.2



#64
Tetrachloroethene
Concen: 54.877 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion:164 Resp: 115652
Ion Ratio Lower Upper
164 100
166 127.5 103.5 155.3
129 96.9 75.2 112.8
131 90.2 73.4 110.2

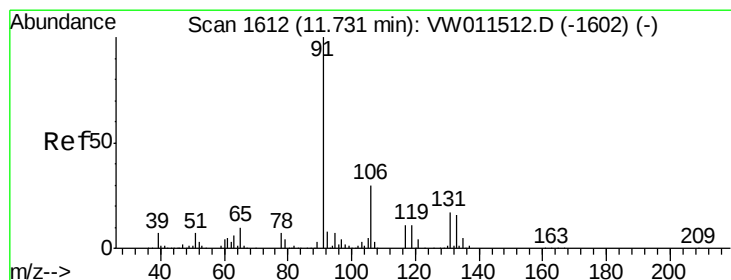
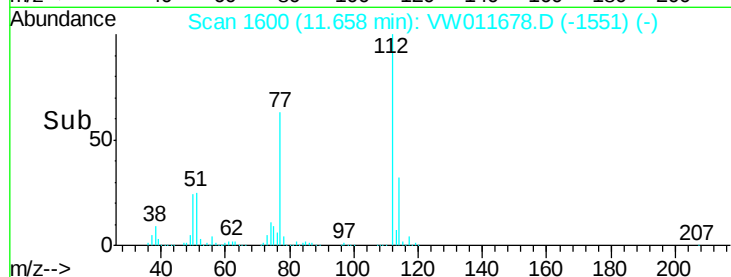
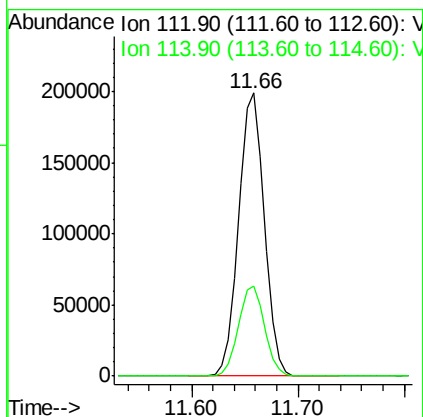
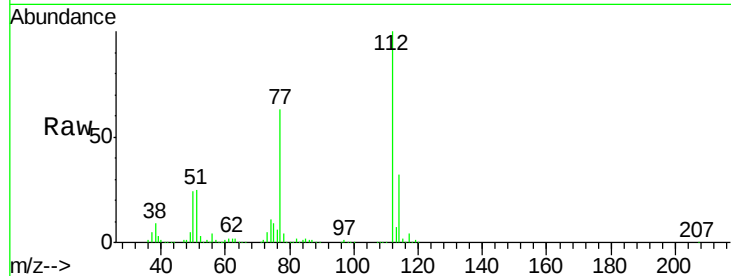




#65
Chlorobenzene
Concen: 51.834 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

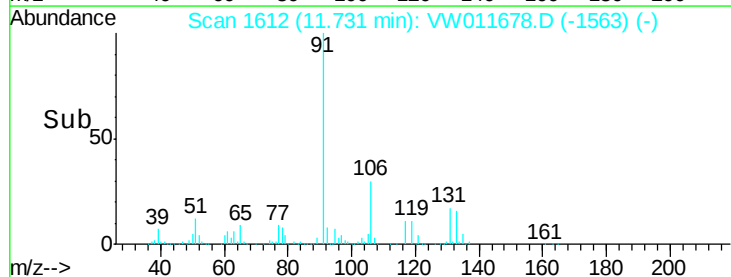
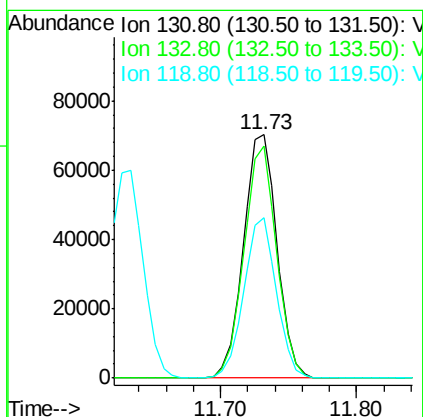
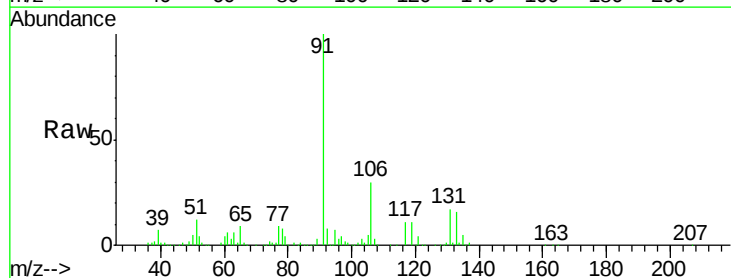
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

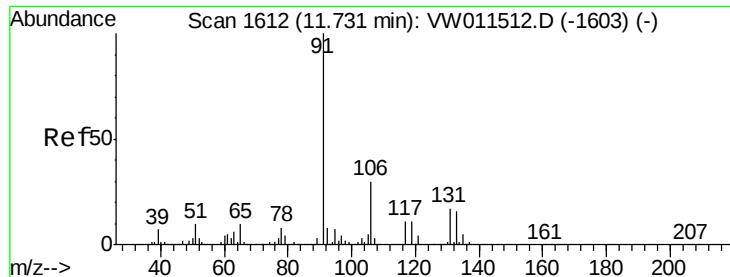
Tot Ion:112 Resp: 337303
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.429 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion:131 Resp: 121106
Ion Ratio Lower Upper
131 100
133 93.2 47.4 142.2
119 63.9 32.3 96.9

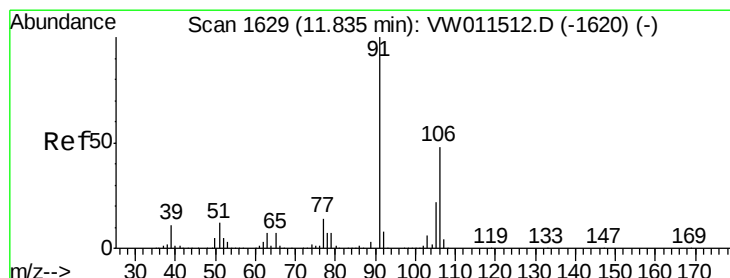
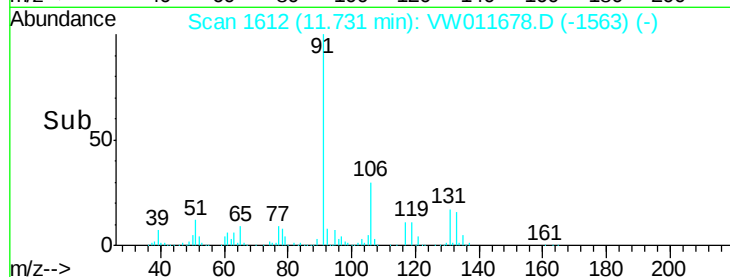
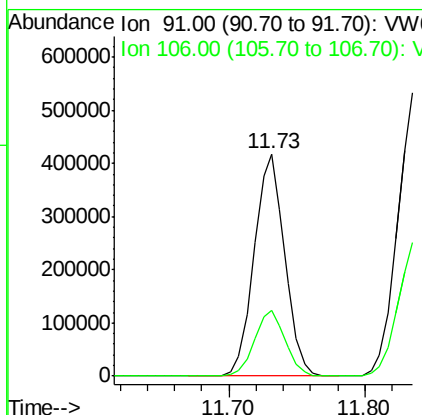
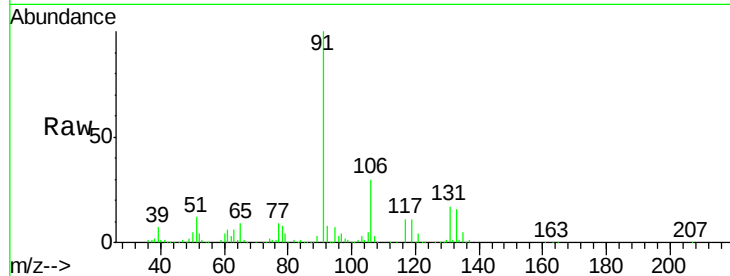




#67
Ethyl Benzene
Concen: 53.089 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

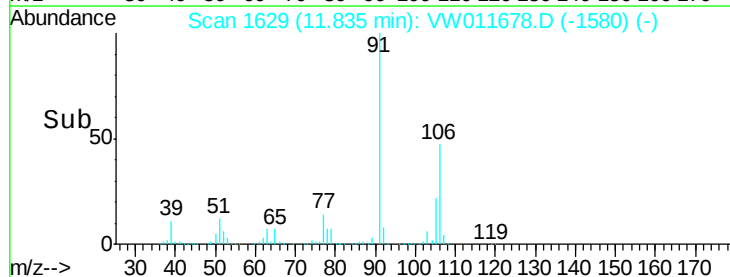
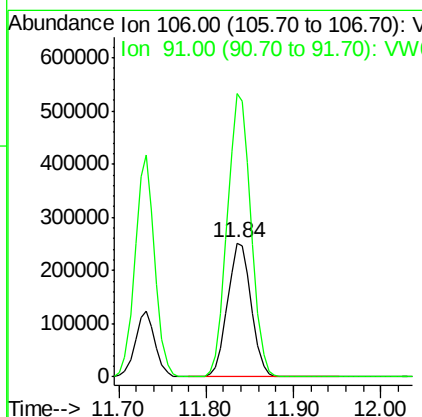
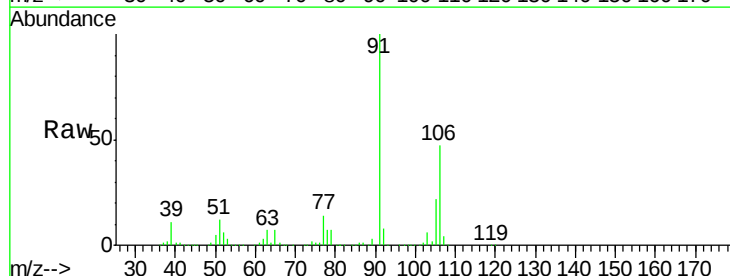
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

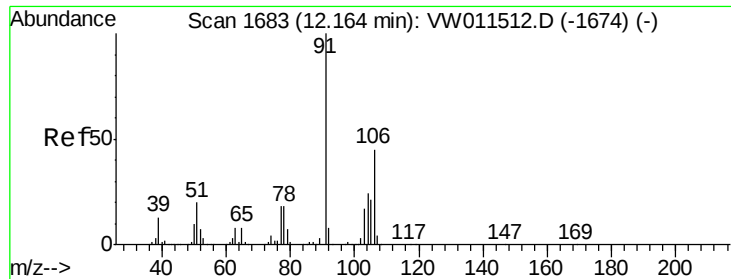
Tot Ion: 91 Resp: 657954
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



#68
m/p-Xylenes
Concen: 104.925 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 106 Resp: 472911
Ion Ratio Lower Upper
106 100
91 211.5 168.2 252.2

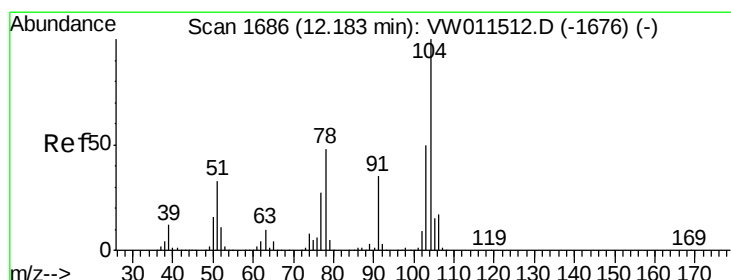
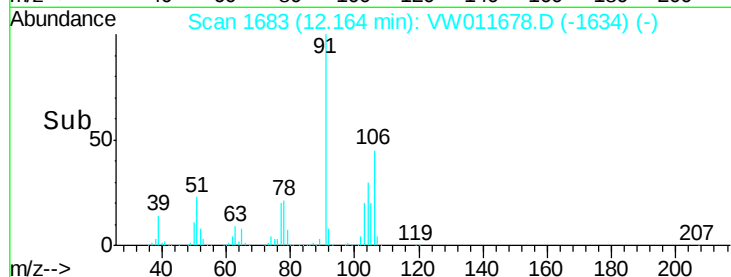
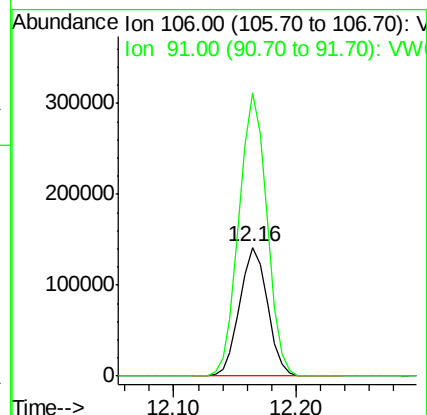
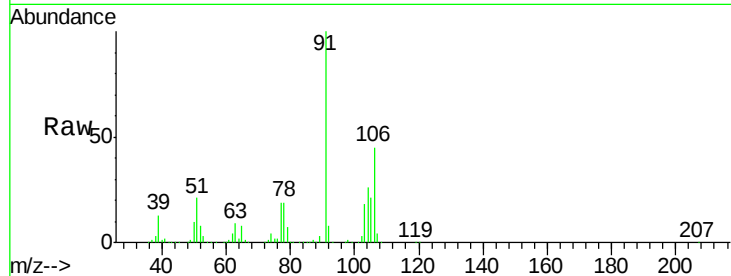




#69
o-Xylene
Concen: 53.139 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

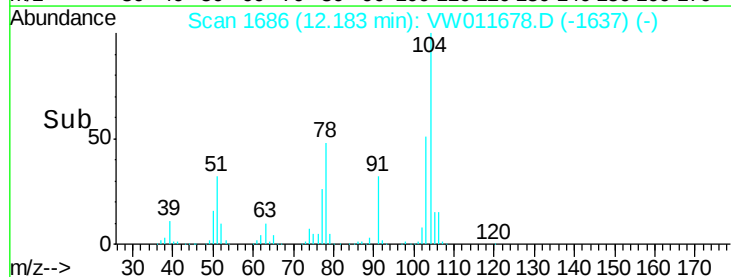
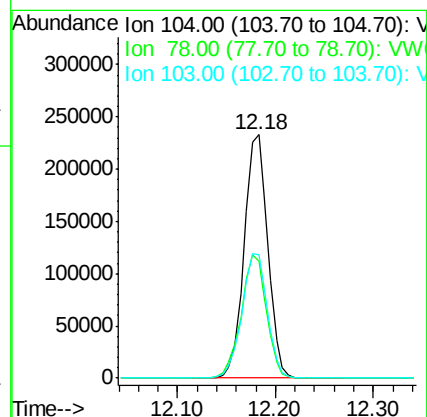
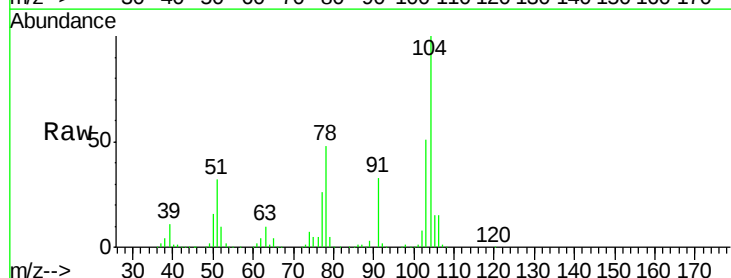
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

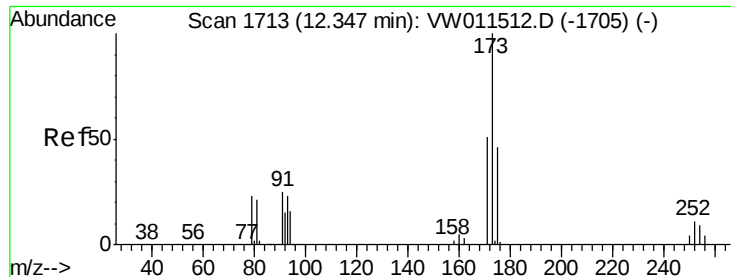
Tot Ion:106 Resp: 222565
Ion Ratio Lower Upper
106 100
91 221.6 110.5 331.5



#70
Styrene
Concen: 53.724 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion:104 Resp: 389048
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 54.341 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

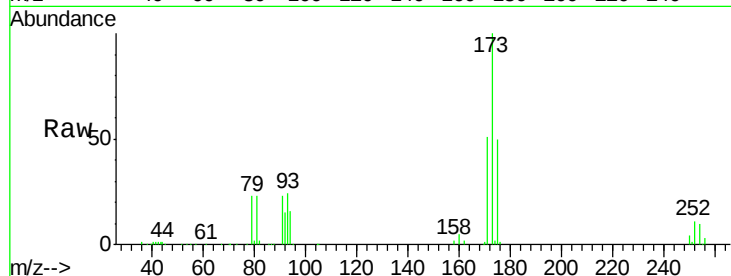
Tot Ion:173 Resp: 62801

Ion Ratio Lower Upper

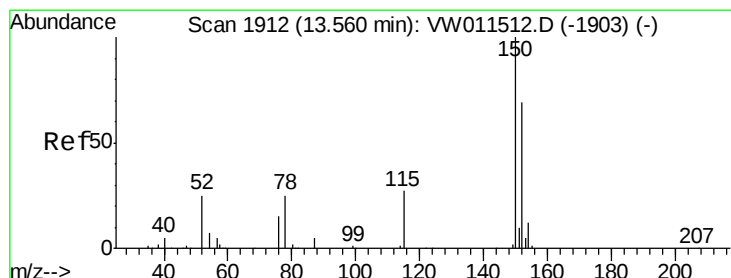
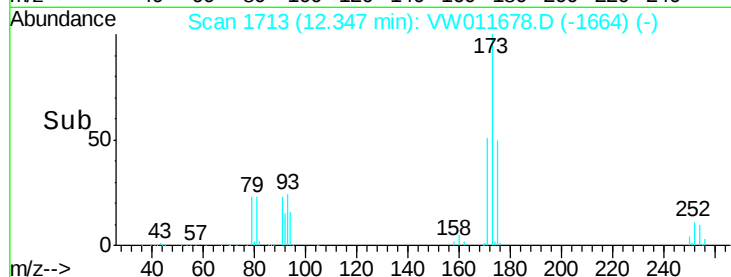
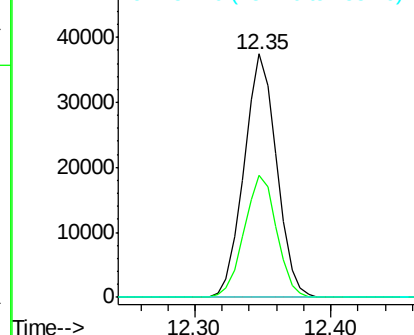
173 100

175 50.0 23.6 71.0

254 0.3 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

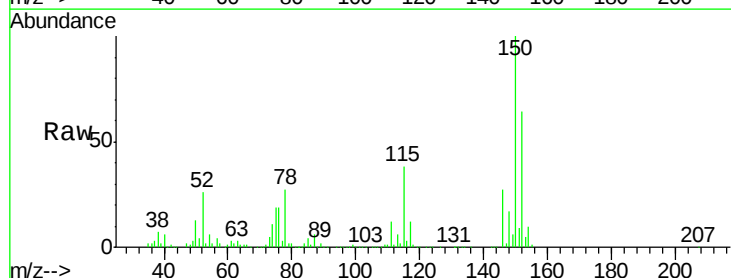
Tgt Ion:152 Resp: 157514

Ion Ratio Lower Upper

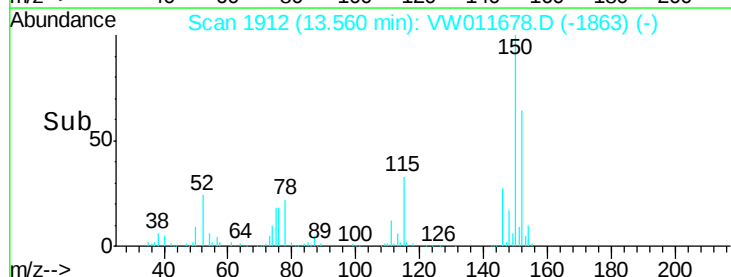
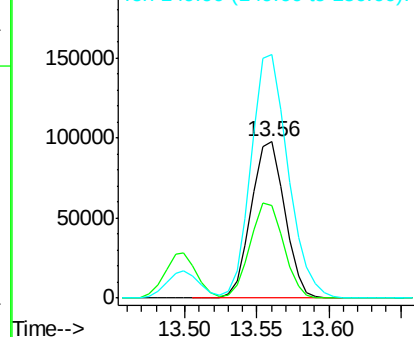
152 100

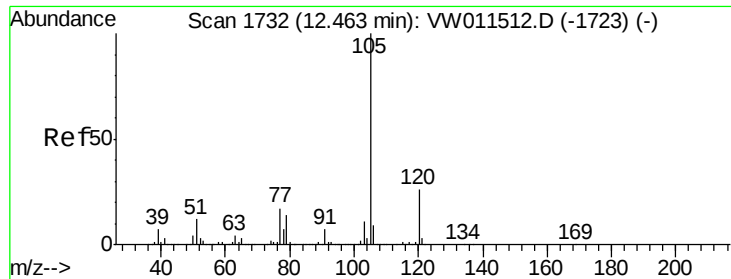
115 60.5 30.5 91.5

150 171.7 0.0 352.6



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

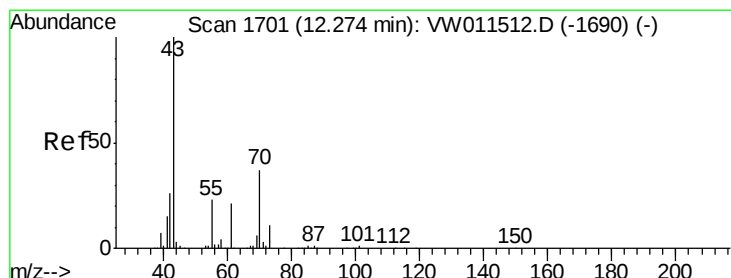
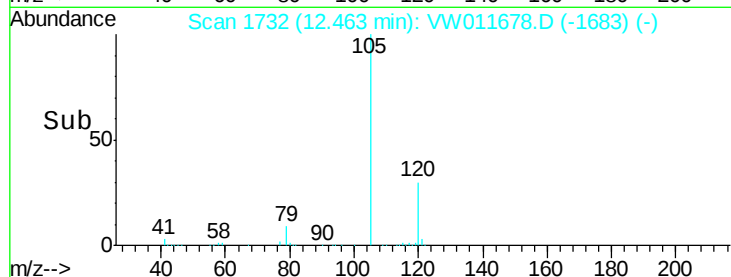
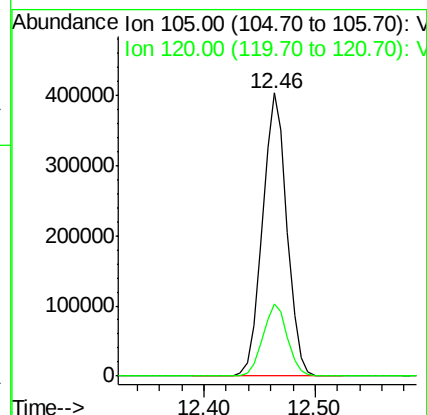
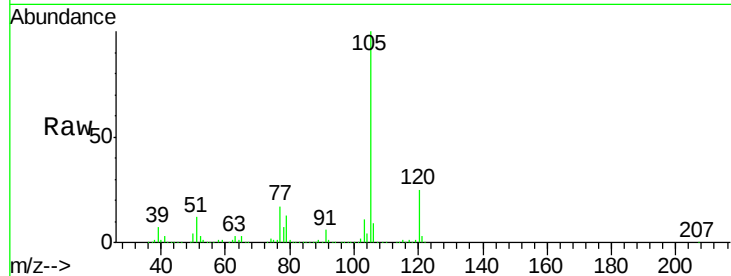




#73
Isopropylbenzene
Concen: 52.279 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

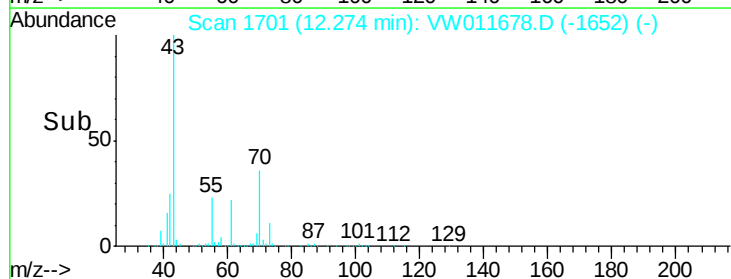
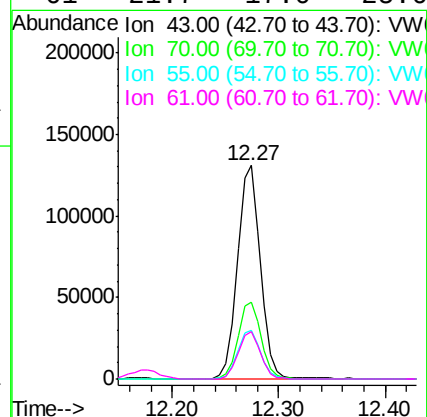
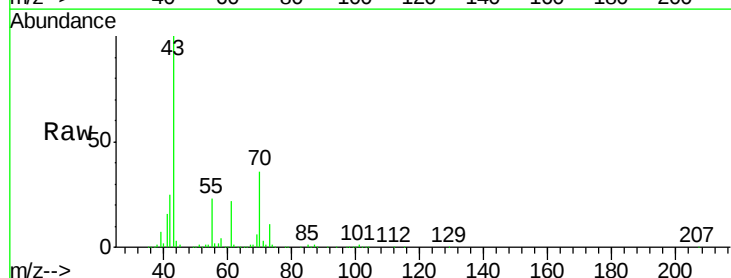
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

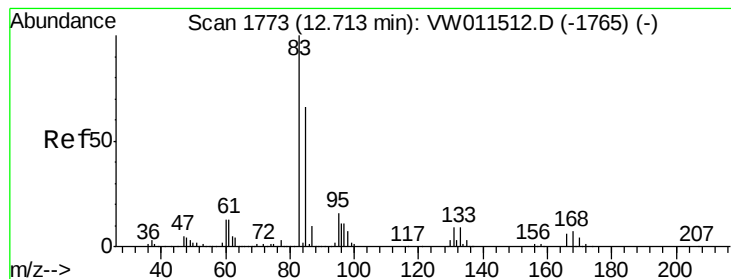
Tot Ion:105 Resp: 614328
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.7



#74
N-ethyl acetate
Concen: 53.756 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion: 43 Resp: 197766
Ion Ratio Lower Upper
43 100
70 36.2 28.6 43.0
55 23.4 17.8 26.8
61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.909 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

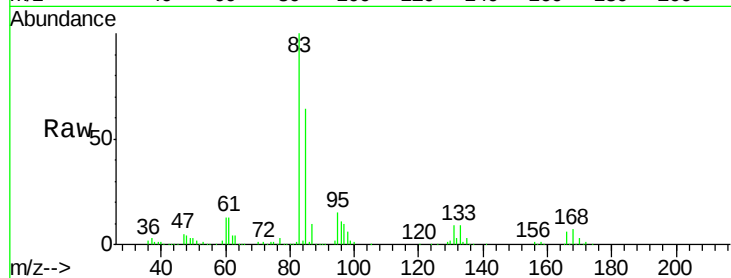
Tot Ion: 83 Resp: 119158

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

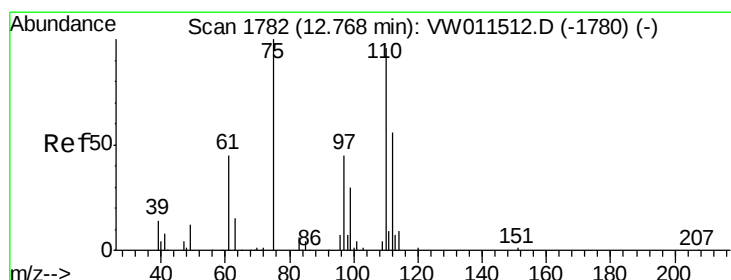
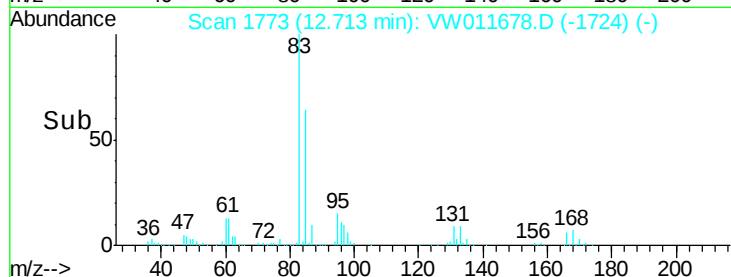
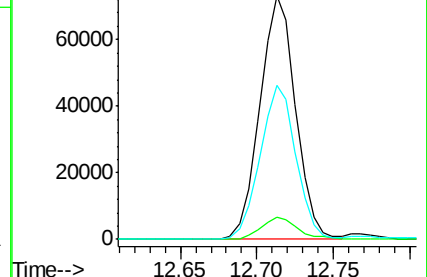
85 63.5 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 58.794 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011678.D

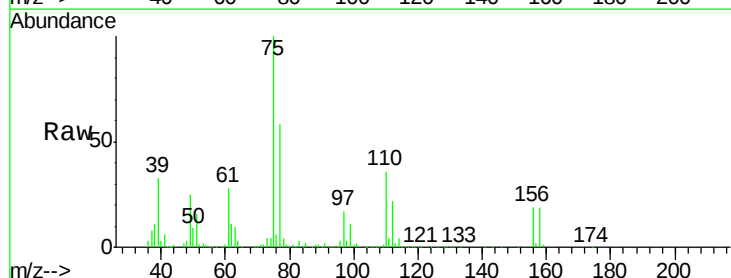
Acq: 03 Aug 2019 20:56

Tgt Ion: 75 Resp: 97990

Ion Ratio Lower Upper

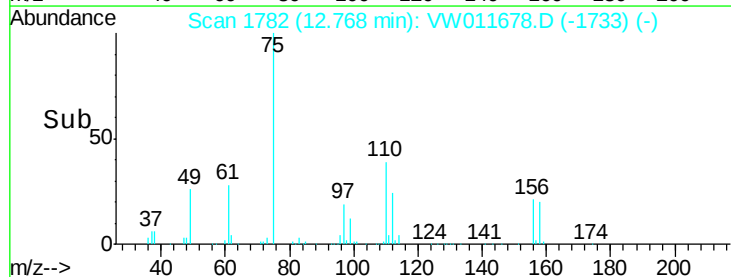
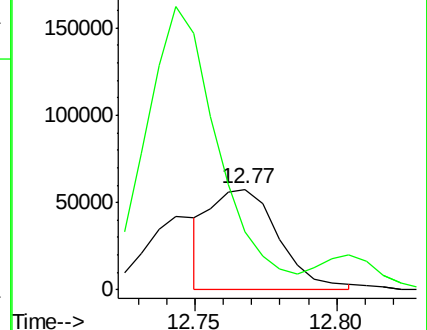
75 100

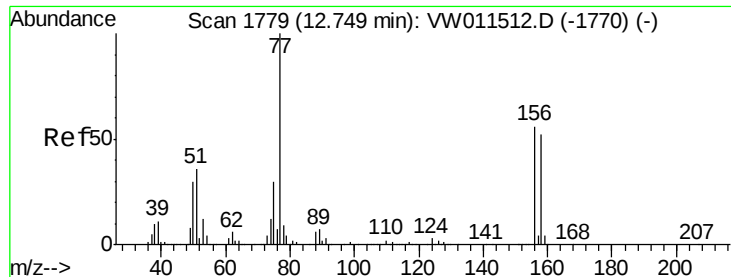
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.333 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

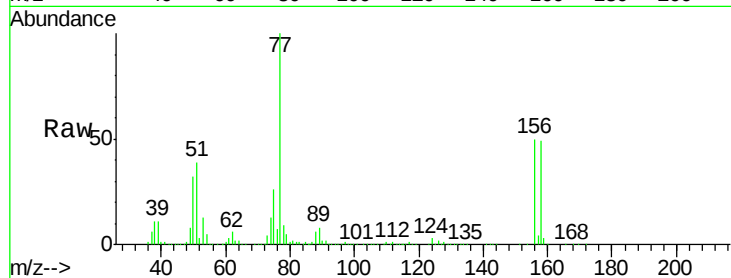
Tot Ion:156 Resp: 135924

Ion Ratio Lower Upper

156 100

77 214.3 106.5 319.4

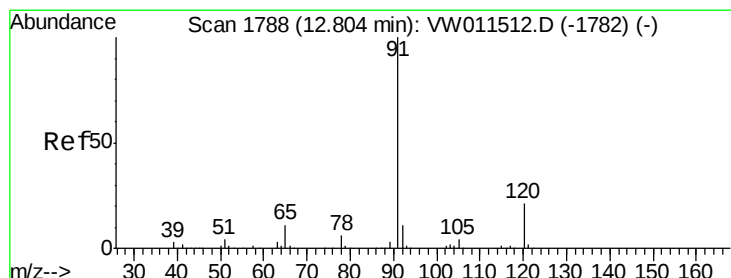
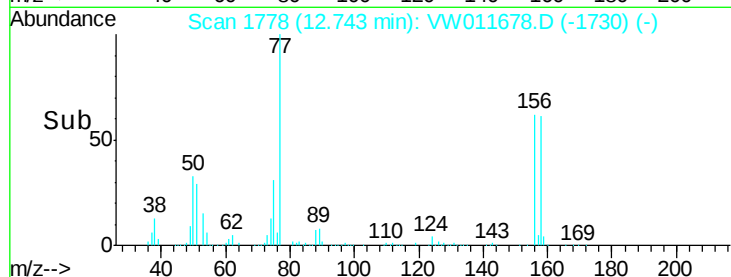
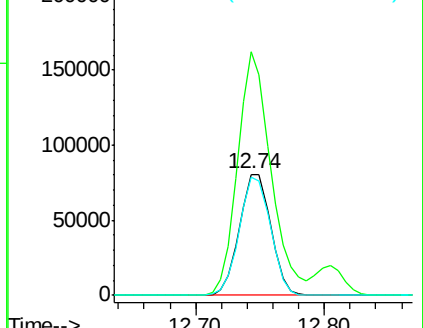
158 97.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.740 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011678.D

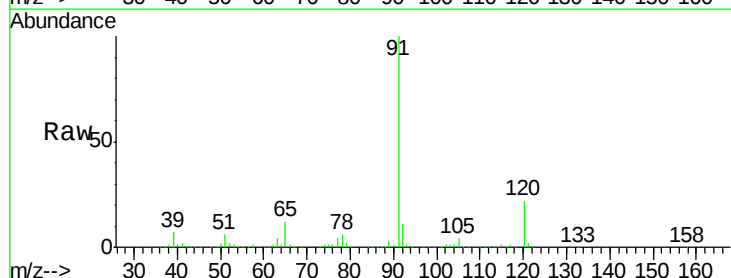
Acq: 03 Aug 2019 20:56

Tgt Ion: 91 Resp: 754227

Ion Ratio Lower Upper

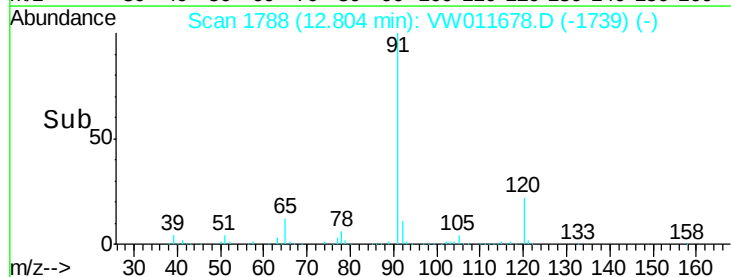
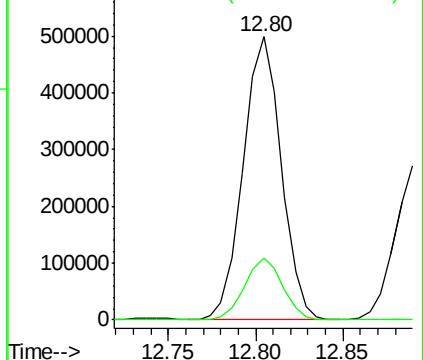
91 100

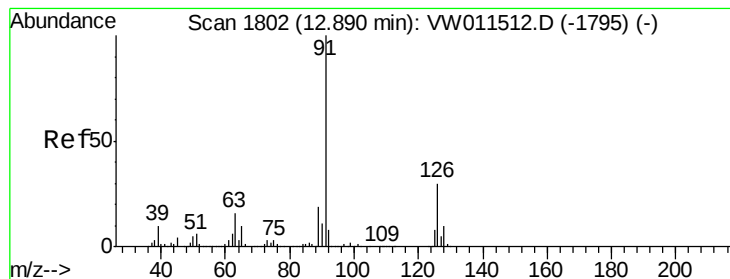
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.264 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

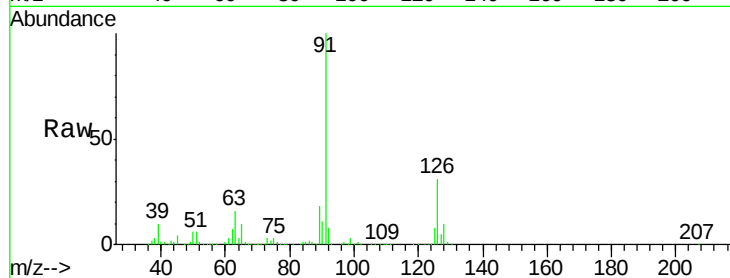
VSTDCCC050EC

Tot Ion: 91 Resp: 430595

Ion Ratio Lower Upper

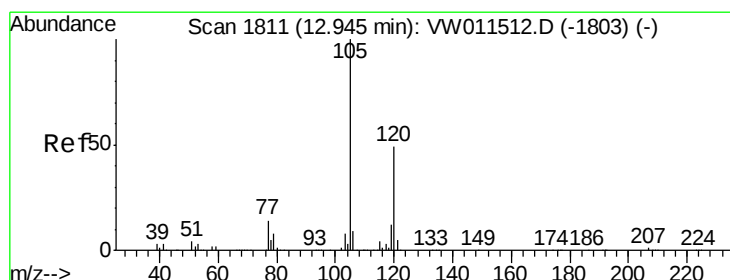
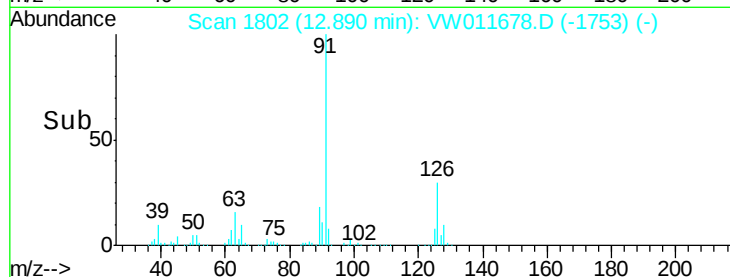
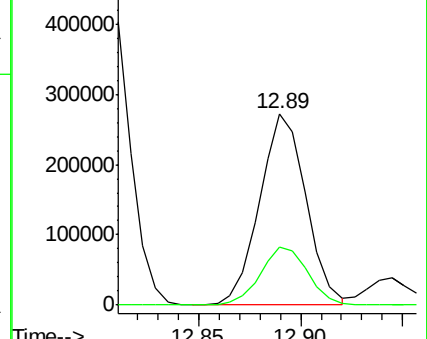
91 100

126 31.2 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.290 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011678.D

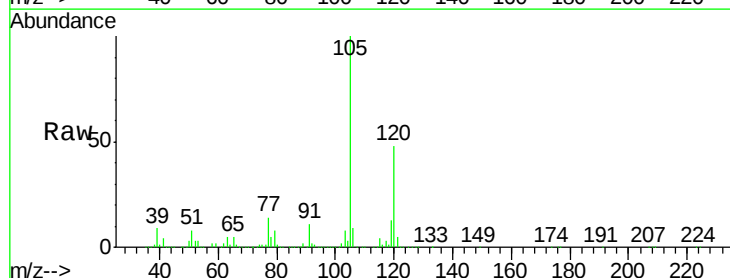
Acq: 03 Aug 2019 20:56

Tgt Ion:105 Resp: 524913

Ion Ratio Lower Upper

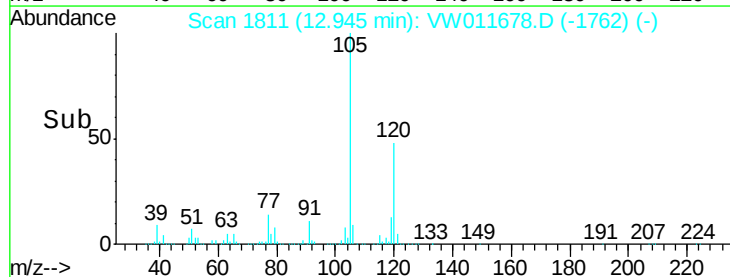
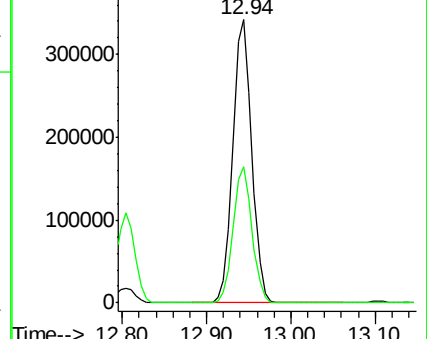
105 100

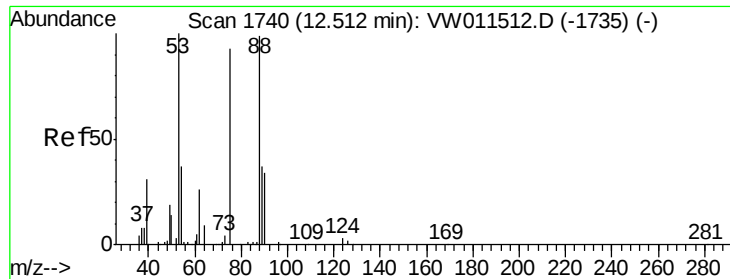
120 47.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.771 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

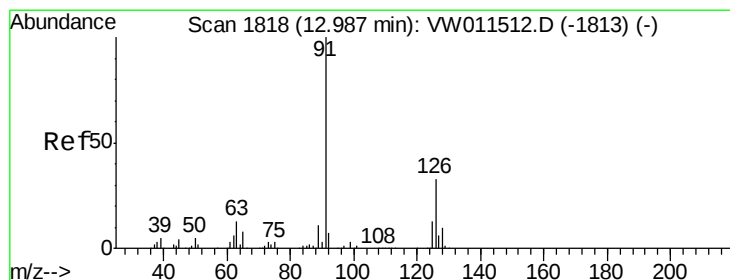
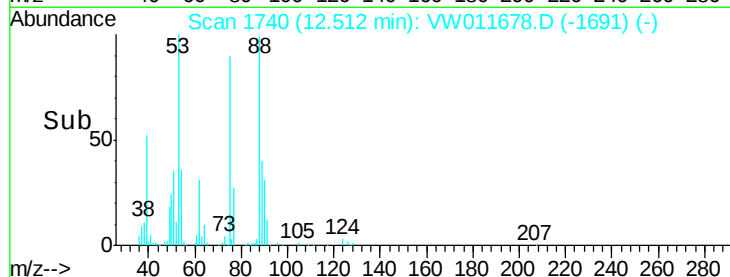
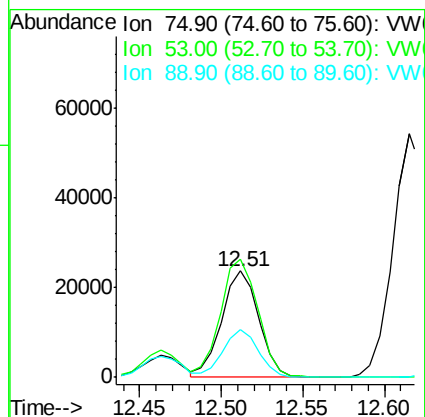
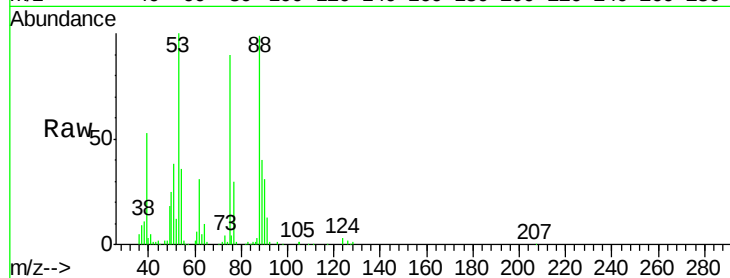
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 37440

Ion	Ratio	Lower	Upper
75	100		
53	113.1	88.0	132.0
89	42.9	35.3	52.9



#82

4-Chlorotoluene

Concen: 52.193 ug/l

RT: 12.99 min Scan# 1818

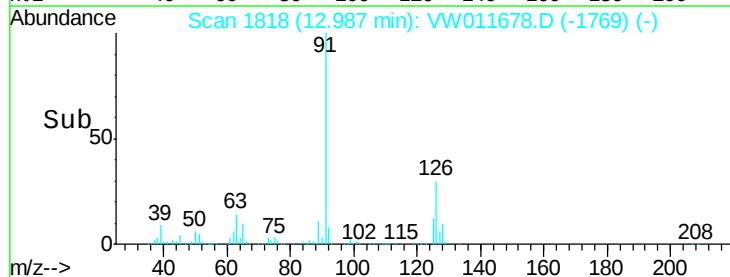
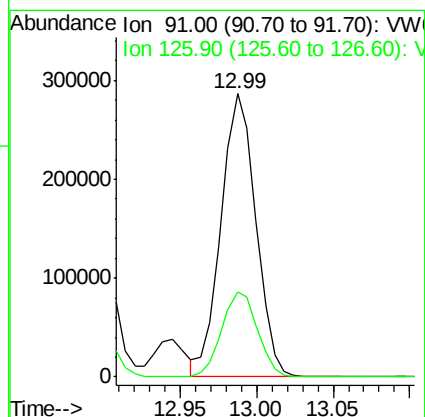
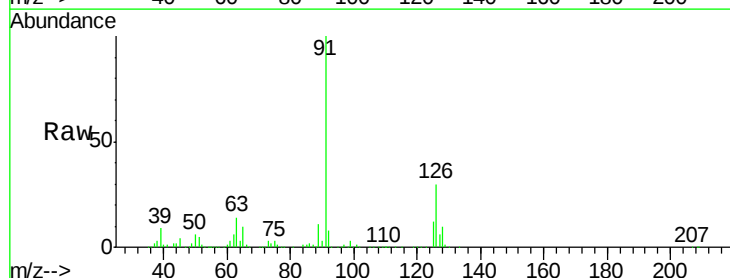
Delta R.T. 0.00 min

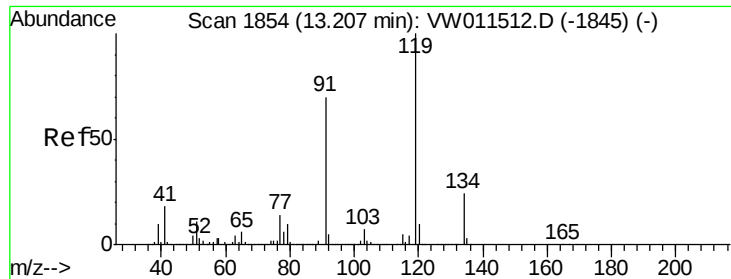
Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Tgt Ion: 91 Resp: 451166

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8

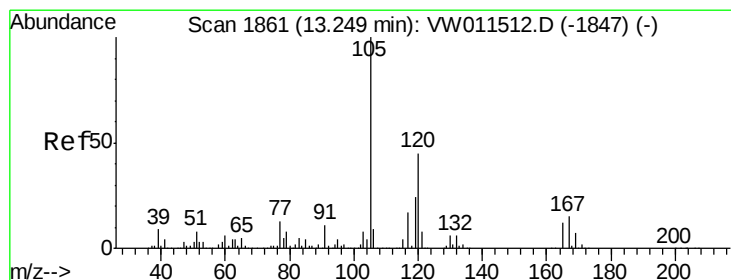
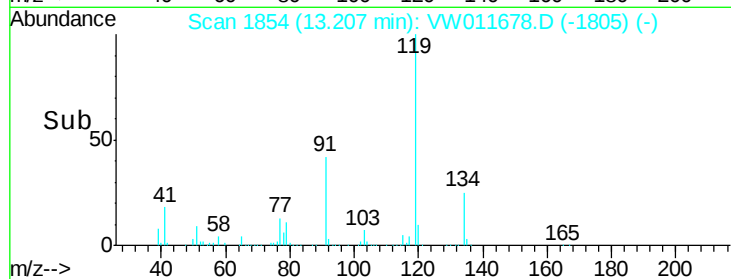
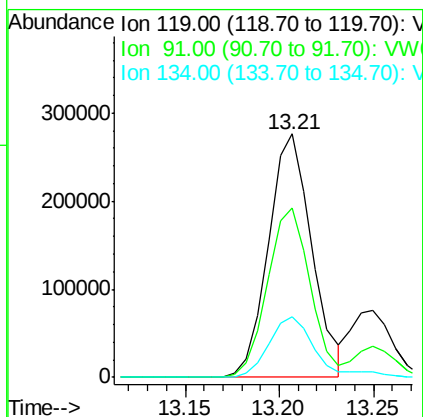
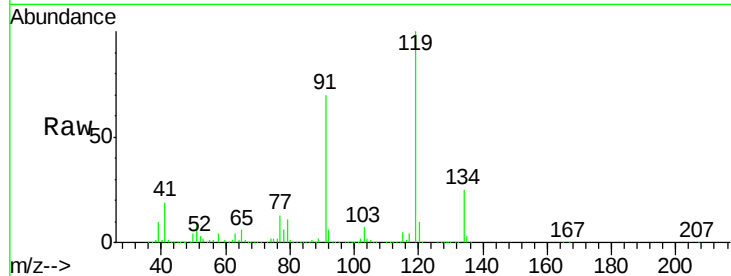




#83
 tert-Butylbenzene
 Concen: 53.471 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

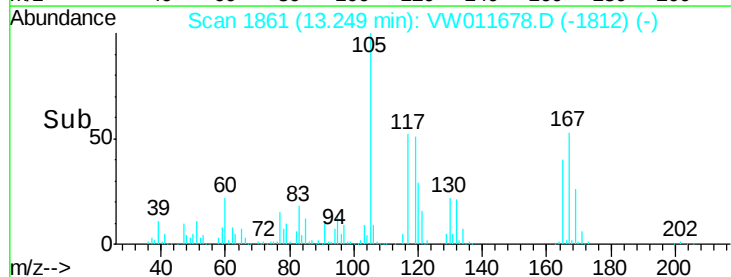
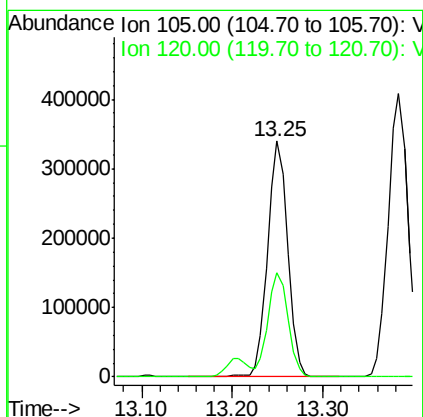
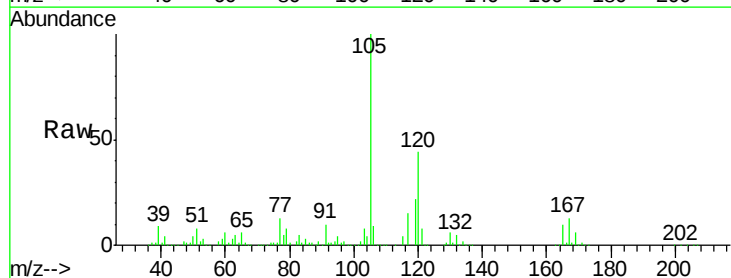
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

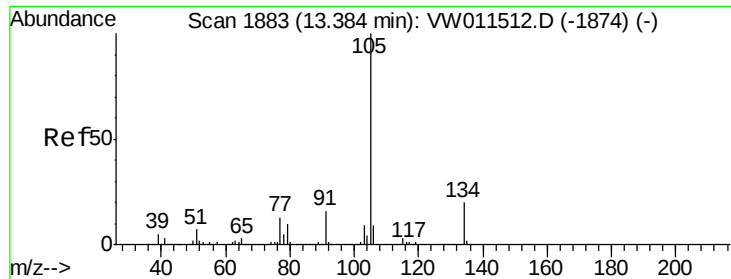
Tot Ion:119 Resp: 440450
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.5 103.6
 134 26.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.792 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion:105 Resp: 523833
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 53.033 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

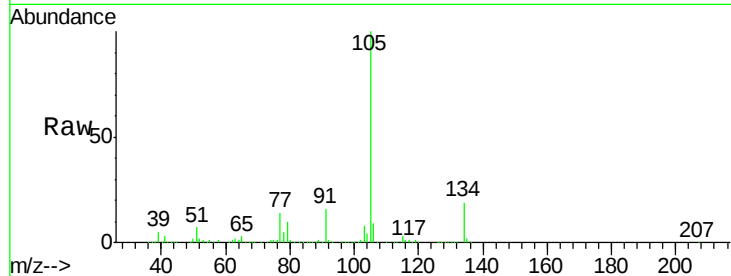
VSTDCCC050EC

Tot Ion:105 Resp: 623319

Ion Ratio Lower Upper

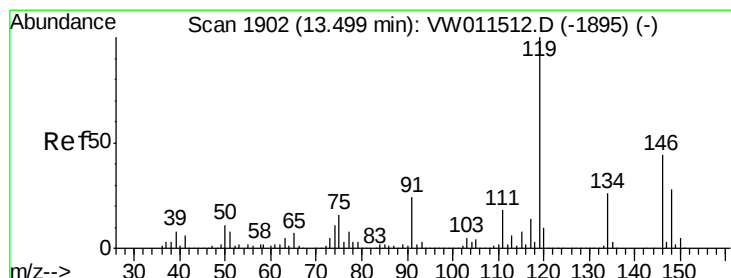
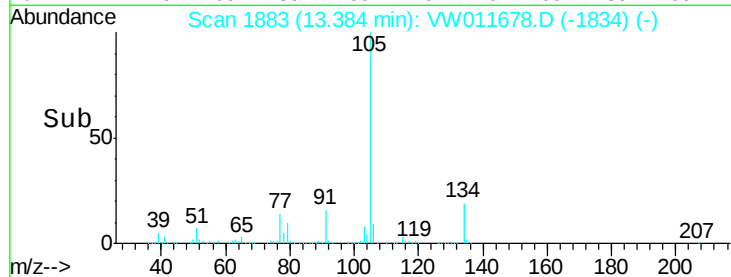
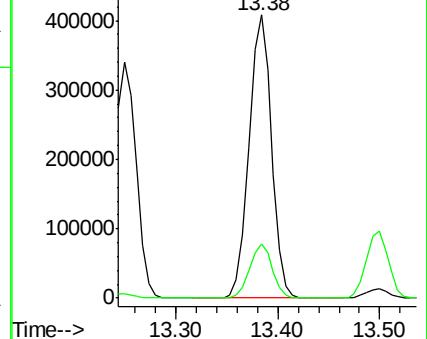
105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.666 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

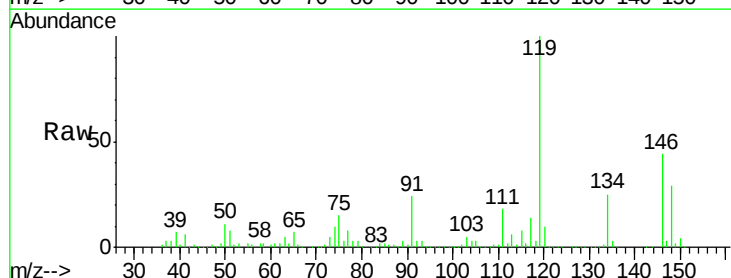
Tgt Ion:119 Resp: 561636

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

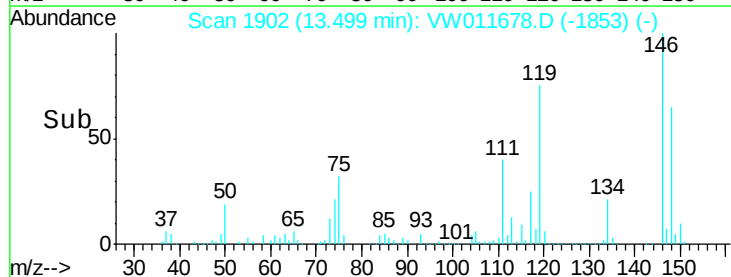
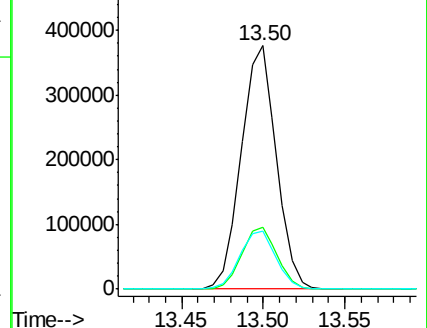
91 24.6 12.1 36.3

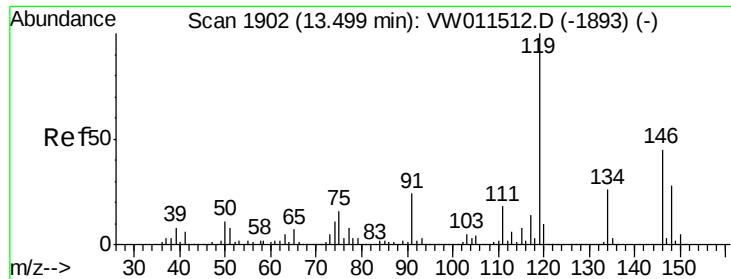


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

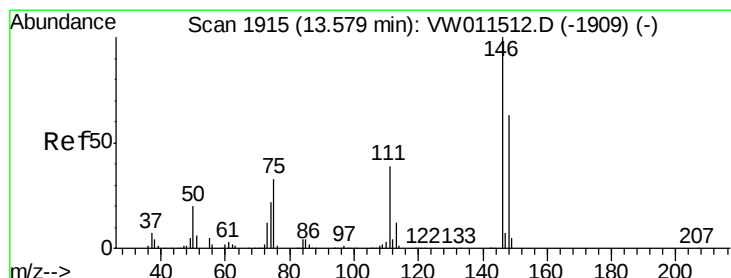
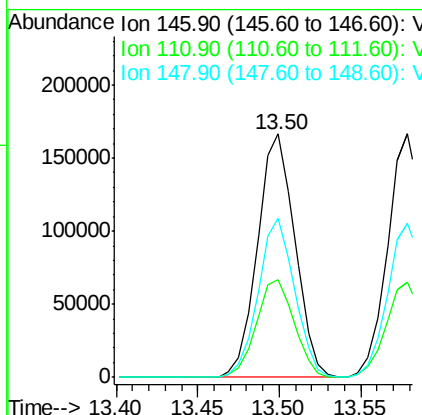
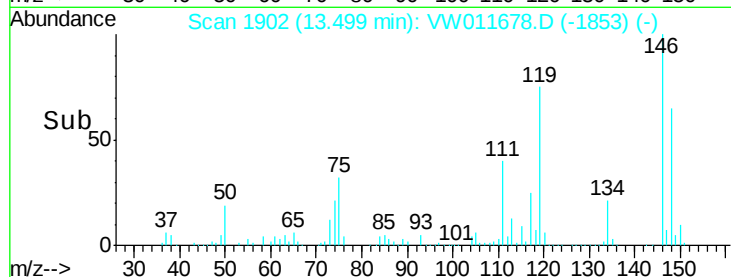
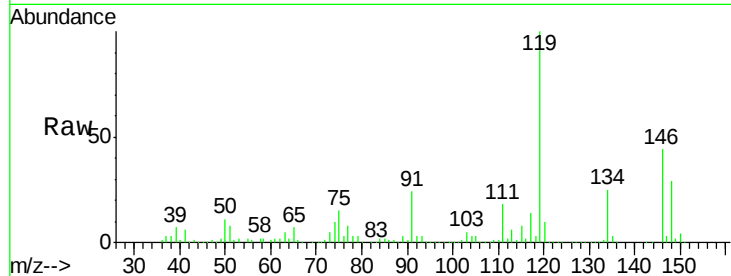




#87
 1,3-Dichlorobenzene
 Concen: 51.859 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

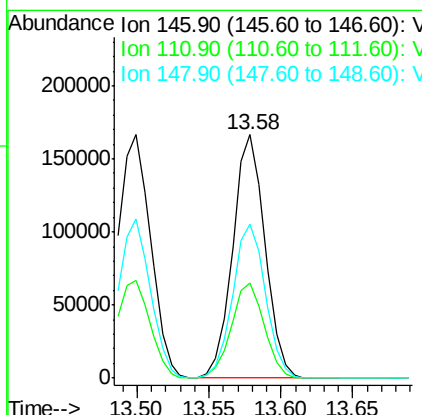
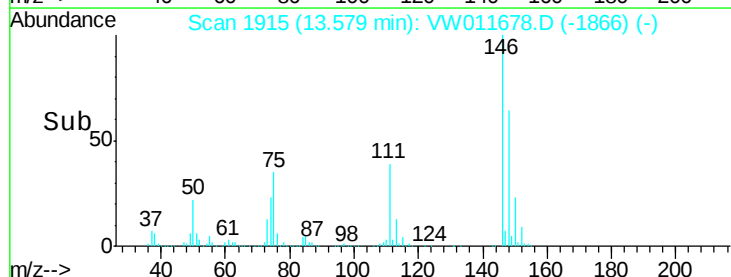
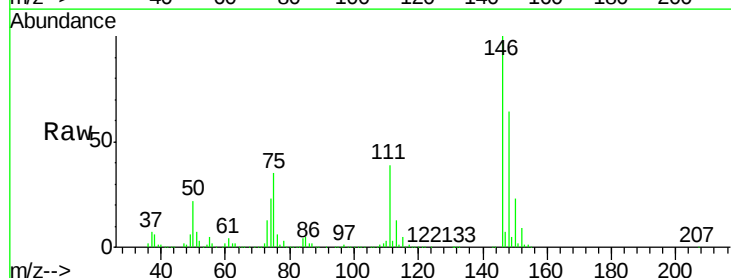
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

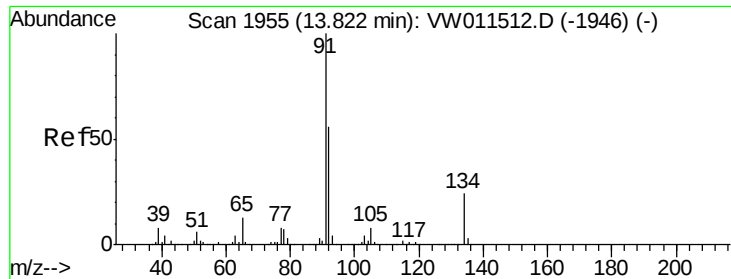
Tot Ion:146 Resp: 264108
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.6
 148 63.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 51.253 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Tgt Ion:146 Resp: 259652
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.1 60.2
 148 64.4 31.9 95.9





#89

n-Butylbenzene

Concen: 52.266 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

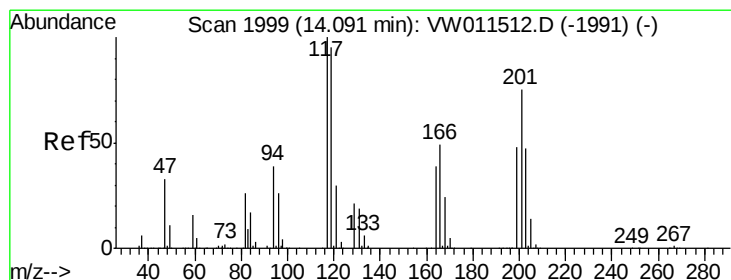
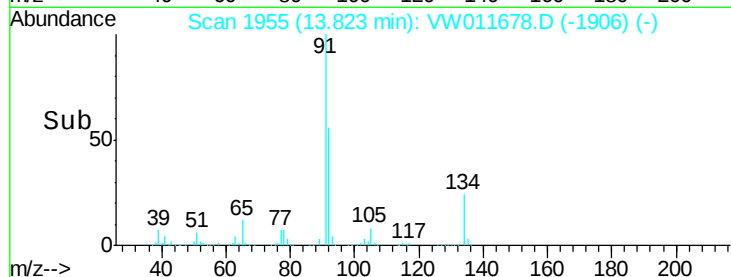
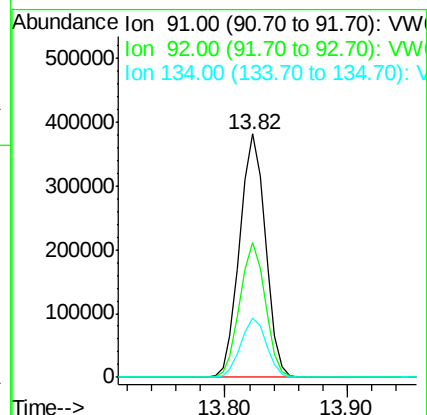
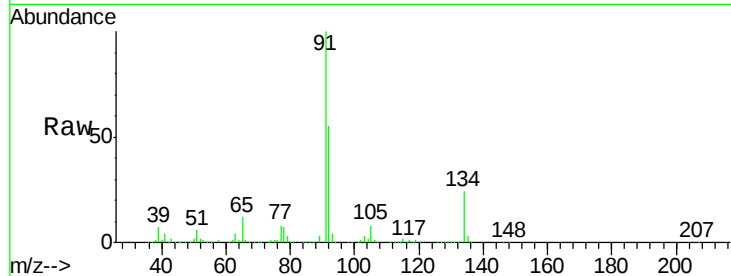
Tot Ion: 91 Resp: 556219

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 24.3 12.2 36.6



#90

Hexachloroethane

Concen: 52.926 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011678.D

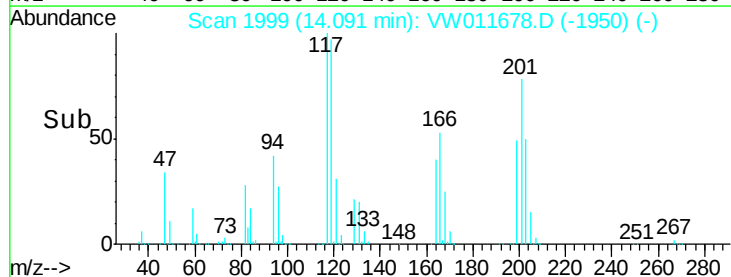
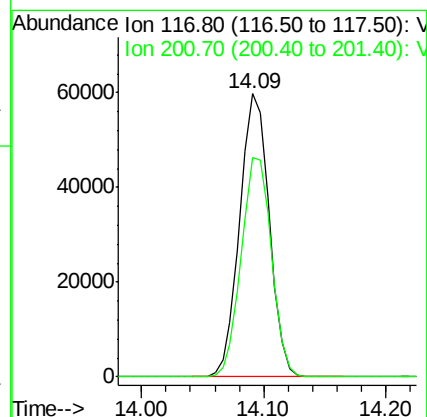
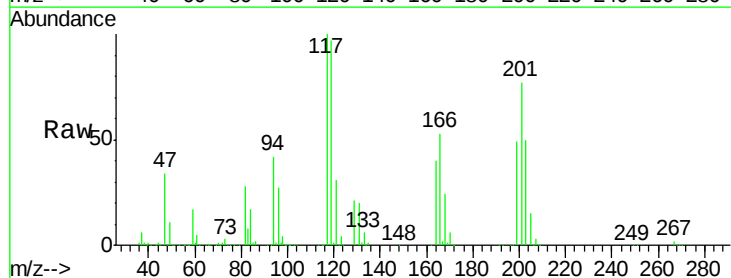
Acq: 03 Aug 2019 20:56

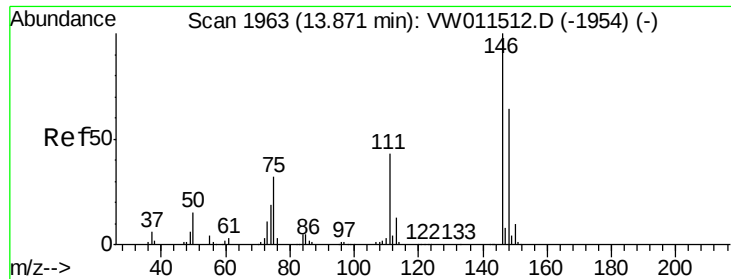
Tgt Ion: 117 Resp: 99802

Ion Ratio Lower Upper

117 100

201 79.3 39.4 118.2





#91

1,2-Dichlorobenzene

Concen: 52.100 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

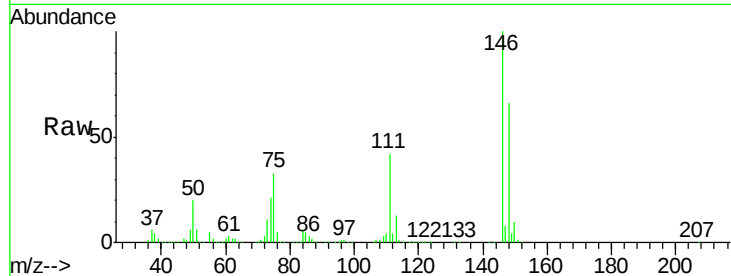
Tot Ion:146 Resp: 234672

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

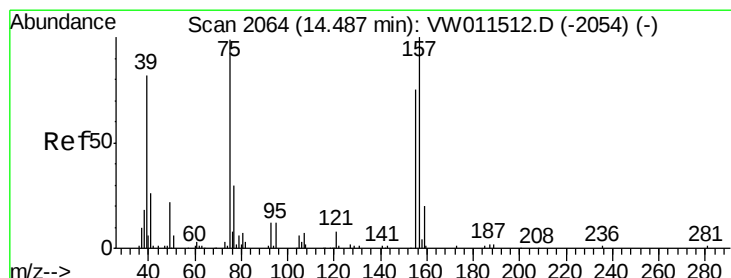
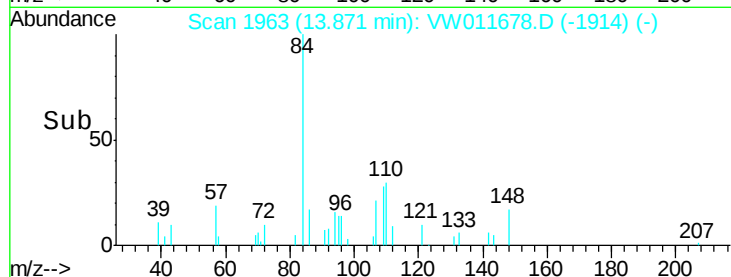
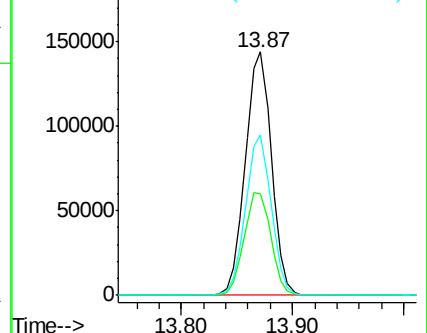
148 64.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.507 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011678.D

Acq: 03 Aug 2019 20:56

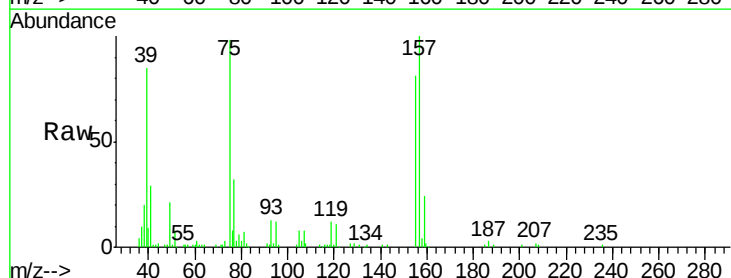
Tgt Ion: 75 Resp: 20168

Ion Ratio Lower Upper

75 100

155 73.6 38.2 114.6

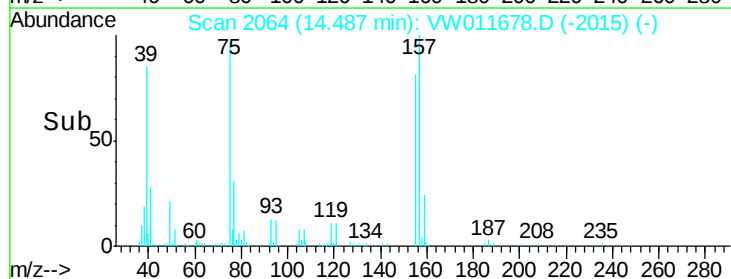
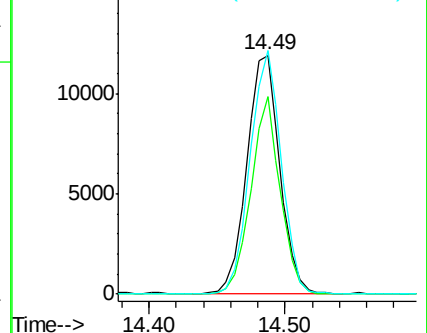
157 96.7 48.9 146.7

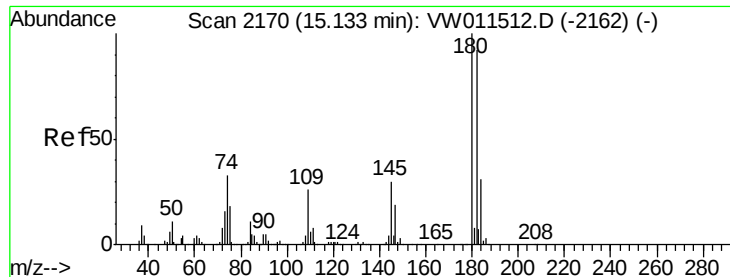


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

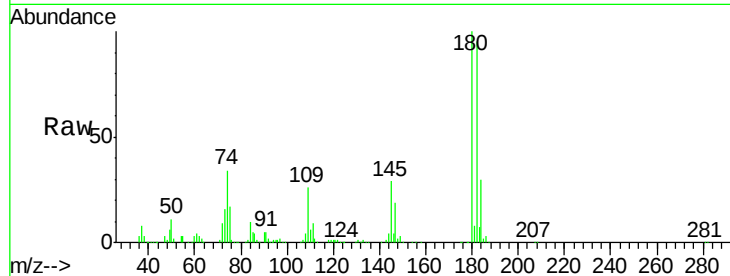




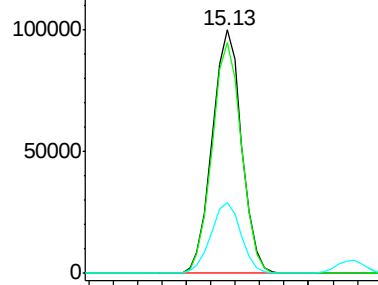
#93
 1,2,4-Trichlorobenzene
 Concen: 52.353 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

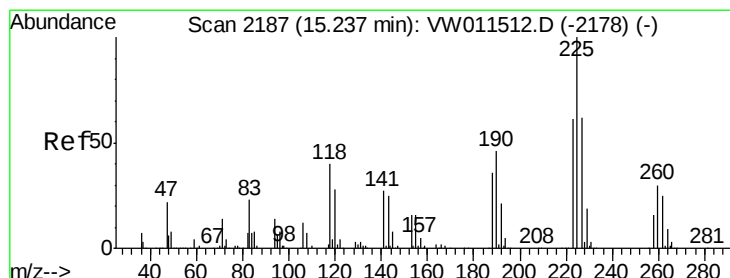
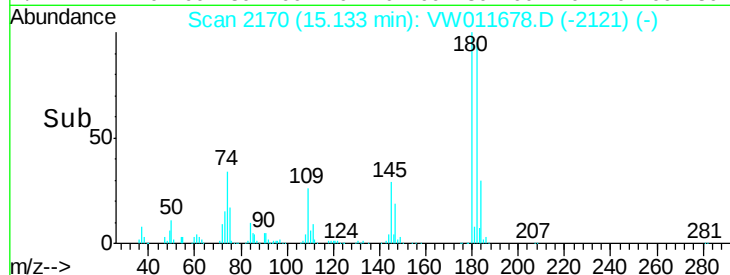
Tot Ion:180 Resp: 166194
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.4 142.2
 145 29.9 15.4 46.1



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

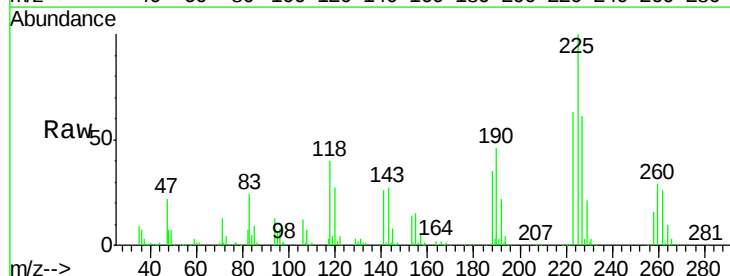


Time-->

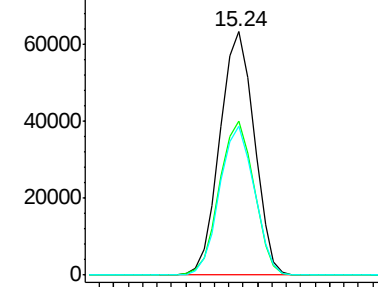


#94
 Hexachlorobutadiene
 Concen: 52.651 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011678.D
 Acq: 03 Aug 2019 20:56

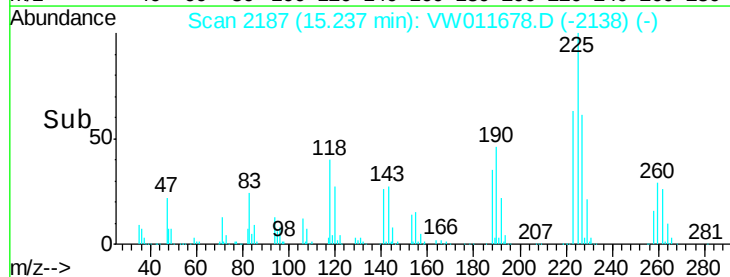
Tgt Ion:225 Resp: 104232
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.8 92.3
 227 61.7 31.6 94.7

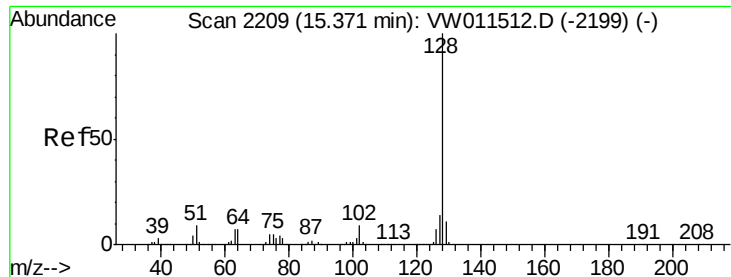


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

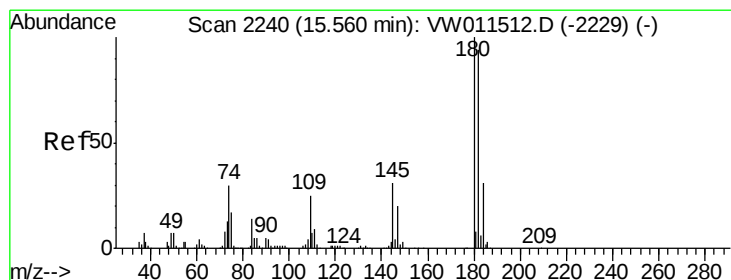
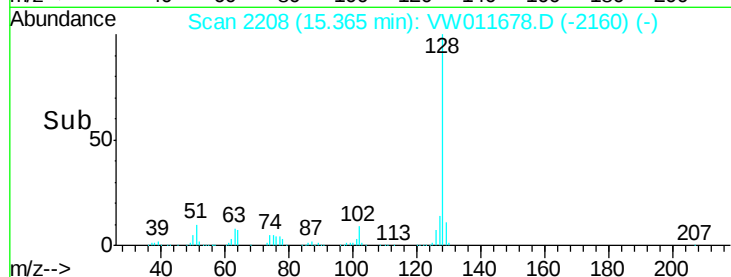
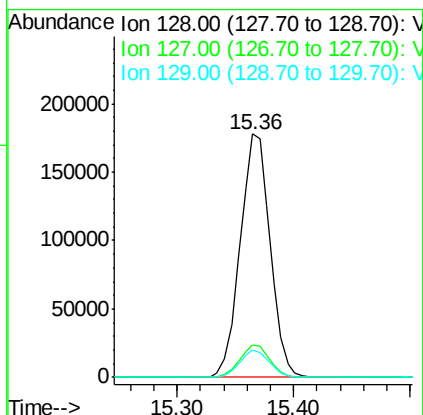
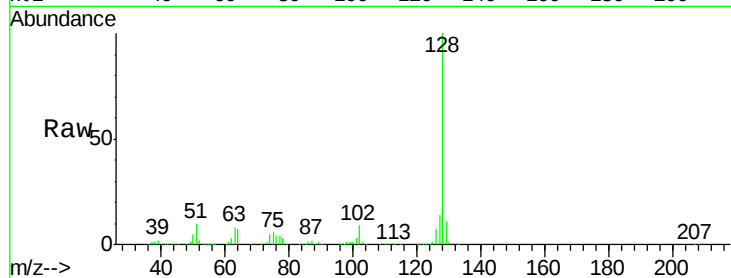




#95
Naphthalene
Concen: 51.233 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 318913
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.741 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011678.D
Acq: 03 Aug 2019 20:56

Tgt Ion:180 Resp: 146759
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.2
145 31.8 15.9 47.7

