

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082119\
 Data File : VW012096.D
 Acq On : 22 Aug 2019 02:47
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 22 07:24:29 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	206671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135629	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	
35) Dibromofluoromethane	7.88	113	110364	56.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.16%	
50) Toluene-d8	10.32	98	433065	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.62	95	155597	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52555	45.628	ug/l	96
3) Chloromethane	2.21	50	99594	49.865	ug/l	97
4) Vinyl Chloride	2.36	62	119387	49.651	ug/l	99
5) Bromomethane	2.74	94	56409	42.382	ug/l	100
6) Chloroethane	2.90	64	68580	49.930	ug/l	98
7) Trichlorofluoromethane	3.24	101	53561	49.841	ug/l	99
8) Diethyl Ether	3.68	74	67738	55.595	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106874	52.427	ug/l	100
10) Methyl Iodide	4.26	142	154237	53.539	ug/l	99
11) Tert butyl alcohol	5.17	59	44749	255.928	ug/l	96
12) 1,1-Dichloroethene	4.03	96	113538	52.750	ug/l	99
13) Acrolein	3.89	56	34969	205.360	ug/l	98
14) Allyl chloride	4.66	41	236901	51.749	ug/l	99
15) Acrylonitrile	5.36	53	176808	290.695	ug/l	99
16) Acetone	4.12	43	148472	196.679	ug/l	96
17) Carbon Disulfide	4.38	76	303856	45.105	ug/l	99
18) Methyl Acetate	4.67	43	101869	60.069	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	199636	58.449	ug/l	97
20) Methylene Chloride	4.91	84	133658	51.338	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	126865	54.671	ug/l	94
22) Diisopropyl ether	6.31	45	503539	58.340	ug/l	98
23) Vinyl Acetate	6.25	43	1531079	282.311	ug/l	100
24) 1,1-Dichloroethane	6.21	63	263771	57.062	ug/l	99
25) 2-Butanone	7.17	43	247054	250.104	ug/l	97
26) 2,2-Dichloropropane	7.17	77	121550	42.757	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	143063	56.017	ug/l	97
28) Bromochloromethane	7.51	49	120163	58.566	ug/l #	100
29) Tetrahydrofuran	7.52	42	165992	293.980	ug/l	100
30) Chloroform	7.67	83	243279	57.046	ug/l	98
31) Cyclohexane	7.95	56	217262	48.964	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	179485	55.264	ug/l	99
36) 1,1-Dichloropropene	8.08	75	188549	51.691	ug/l	99
37) Ethyl Acetate	7.25	43	113843	54.248	ug/l	97
38) Carbon Tetrachloride	8.07	117	163969	52.510	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	207405	51.639	ug/l	98
40) Benzene	8.32	78	550475	53.877	ug/l	98
41) Methacrylonitrile	7.48	41	70827	56.460	ug/l	95
42) 1,2-Dichloroethane	8.40	62	176663	55.227	ug/l	100
43) Isopropyl Acetate	8.42	43	216060	55.982	ug/l	99
44) Trichloroethene	9.09	130	130331	53.073	ug/l	98
45) 1,2-Dichloropropane	9.37	63	151832	55.539	ug/l	98
46) Dibromomethane	9.46	93	69174	55.439	ug/l	99
47) Bromodichloromethane	9.64	83	179901	54.965	ug/l	98
48) Methyl methacrylate	9.43	41	104831	56.546	ug/l	100
49) 1,4-Dioxane	9.45	88	21623	1196.854	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	568537	283.210	ug/l	100
52) Toluene	10.38	92	333518	54.054	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	179590	52.527	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	214396	52.740	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	98659	55.728	ug/l	97
56) Ethyl methacrylate	10.65	69	148724	57.409	ug/l	100
57) 1,3-Dichloropropane	10.93	76	186628	55.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	400894	340.827	ug/l	100
59) 2-Hexanone	10.97	43	378952	267.356	ug/l	99
60) Dibromochloromethane	11.13	129	110506	56.233	ug/l	99
61) 1,2-Dibromoethane	11.23	107	93550	55.839	ug/l	100
64) Tetrachloroethene	10.86	164	112106	55.418	ug/l	98
65) Chlorobenzene	11.66	112	338383	54.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	120546	55.405	ug/l	100
67) Ethyl Benzene	11.73	91	647201	54.404	ug/l	99
68) m/p-Xylenes	11.84	106	464264	107.312	ug/l	100
69) o-Xylene	12.16	106	220498	54.847	ug/l	100
70) Styrene	12.18	104	387503	55.747	ug/l	99
71) Bromoform	12.35	173	61639	55.565	ug/l	# 100
73) Isopropylbenzene	12.46	105	603279	54.397	ug/l	100
74) N-amyl acetate	12.27	43	197294	56.823	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	117134	56.151	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	81638m	51.900	ug/l	
77) Bromobenzene	12.74	156	136634	55.740	ug/l	98
78) n-propylbenzene	12.80	91	728320	53.962	ug/l	99
79) 2-Chlorotoluene	12.89	91	417080	53.640	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	507452	54.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35376	51.831	ug/l	97
82) 4-Chlorotoluene	12.99	91	440051	53.940	ug/l	99
83) tert-Butylbenzene	13.21	119	431553	55.512	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	510423	54.504	ug/l	99
85) sec-Butylbenzene	13.38	105	600277	54.115	ug/l	100
86) p-Isopropyltoluene	13.50	119	539367	53.591	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	255066	53.068	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	253521	53.024	ug/l	100
89) n-Butylbenzene	13.82	91	517511	51.526	ug/l	99
90) Hexachloroethane	14.09	117	96876	54.434	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	231955	54.564	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19906	55.958	ug/l	97

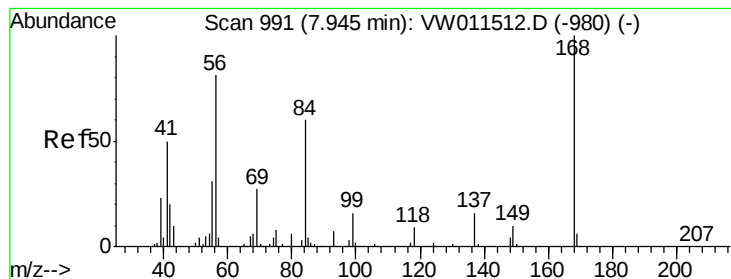
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159486	53.233	ug/l	100
94) Hexachlorobutadiene	15.24	225	99541	53.277	ug/l	99
95) Naphthalene	15.36	128	310225	52.742	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	143947	54.812	ug/l	100

(#) = 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: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

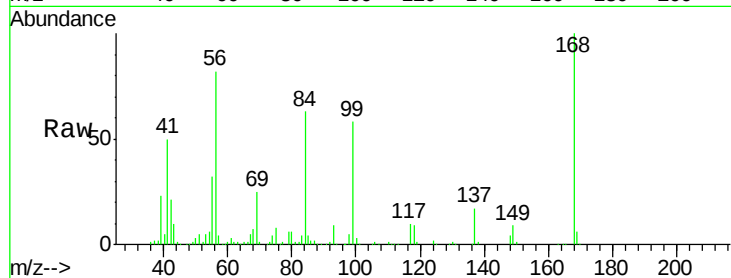
VSTDCCC050EC

Tot Ion:168 Resp: 206671

Ion Ratio Lower Upper

168 100

99 57.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

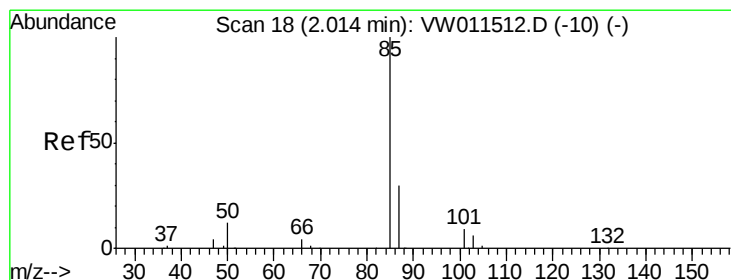
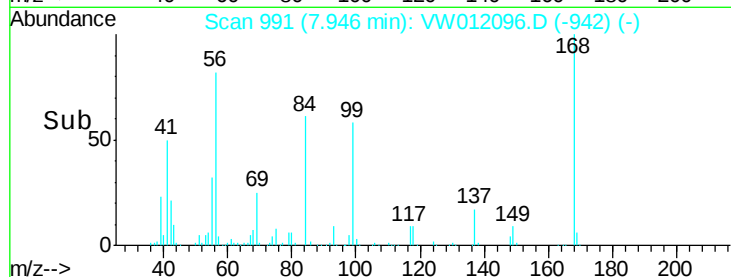
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 45.628 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012096.D

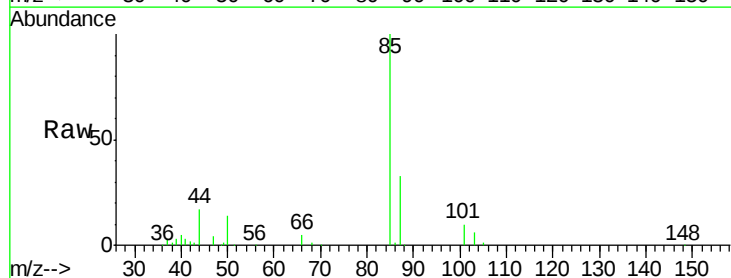
Acq: 22 Aug 2019 02:47

Tgt Ion: 85 Resp: 52555

Ion Ratio Lower Upper

85 100

87 32.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

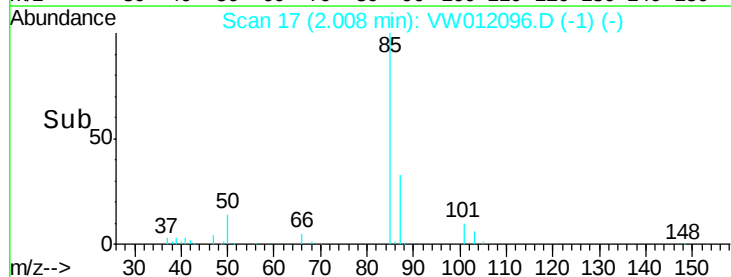
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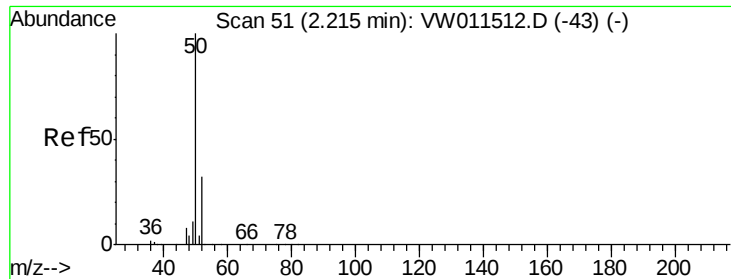
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 49.865 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

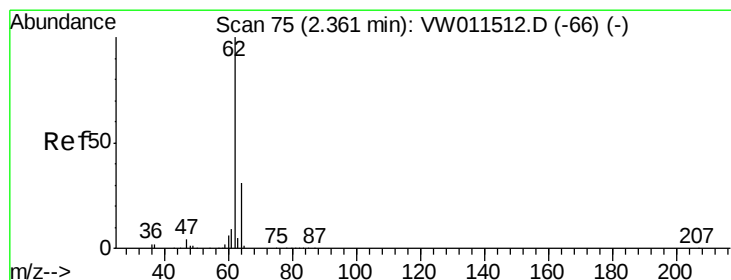
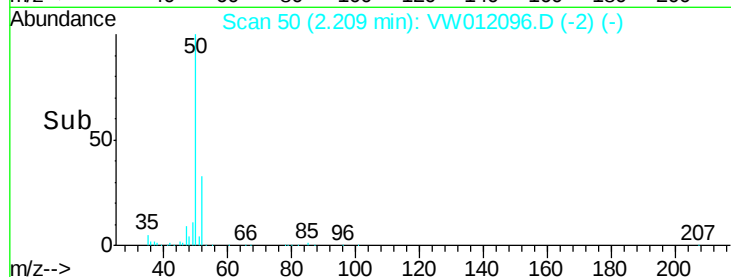
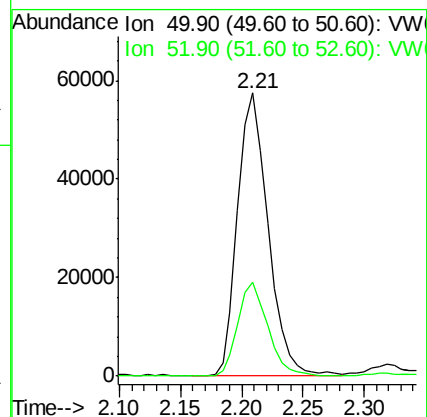
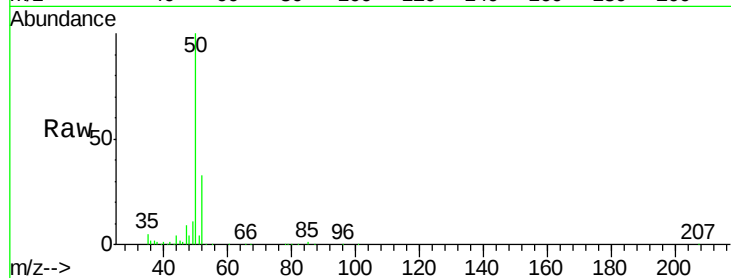
VSTDCCC050EC

Tot Ion: 50 Resp: 99594

Ion Ratio Lower Upper

50 100

52 33.3 25.4 38.2



#4

Vinyl Chloride

Concen: 49.651 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012096.D

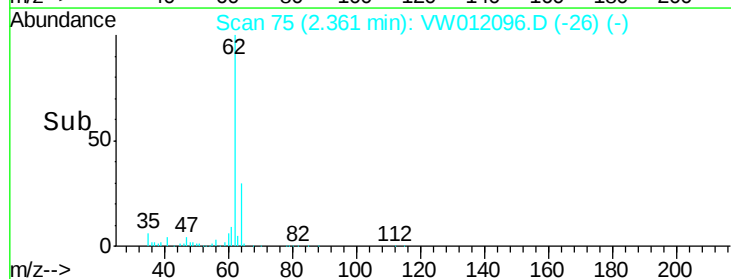
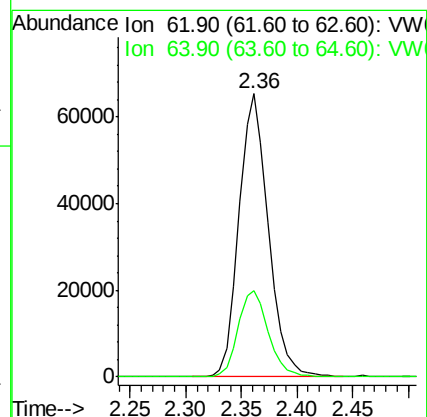
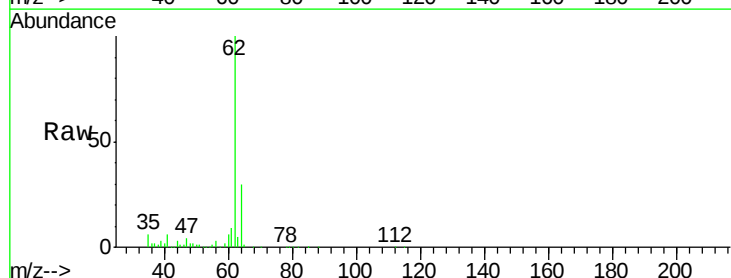
Acq: 22 Aug 2019 02:47

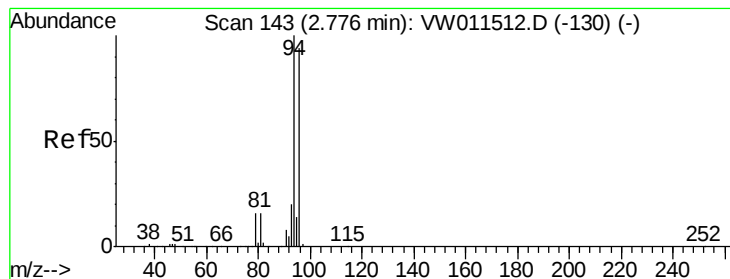
Tgt Ion: 62 Resp: 119387

Ion Ratio Lower Upper

62 100

64 30.5 25.0 37.4





#5

Bromomethane

Concen: 42.382 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.04 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

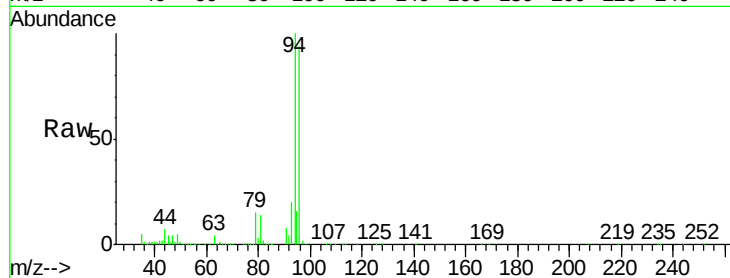
VSTDCCC050EC

Tot Ion: 94 Resp: 56409

Ion Ratio Lower Upper

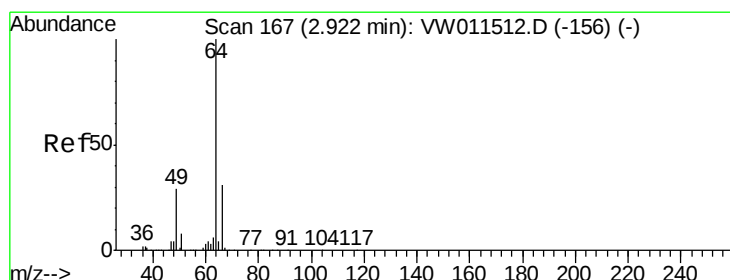
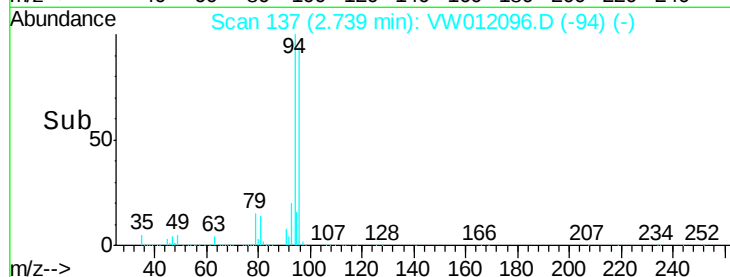
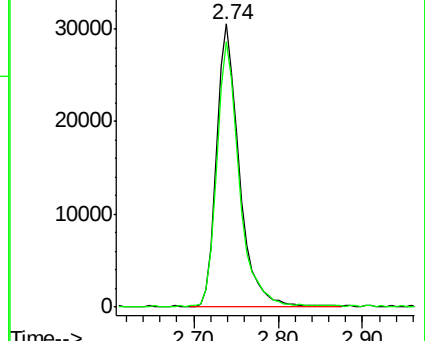
94 100

96 93.8 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: 49.930 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012096.D

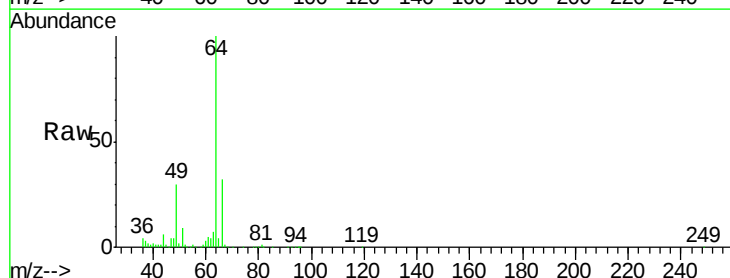
Acq: 22 Aug 2019 02:47

Tgt Ion: 64 Resp: 68580

Ion Ratio Lower Upper

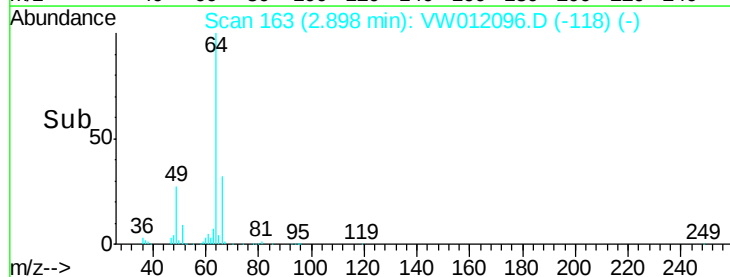
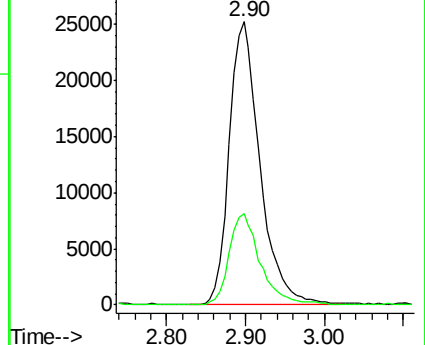
64 100

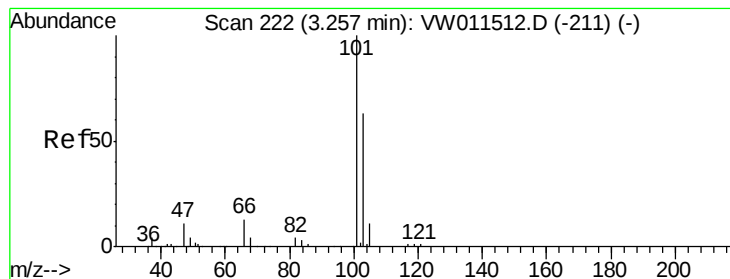
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



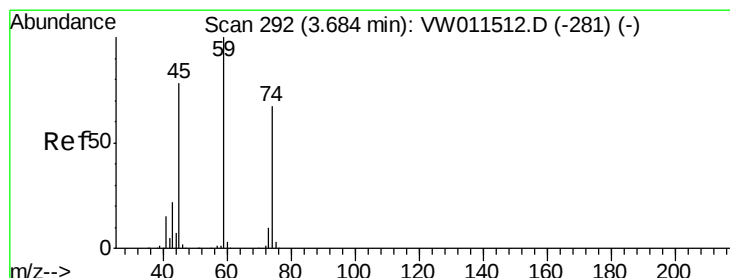
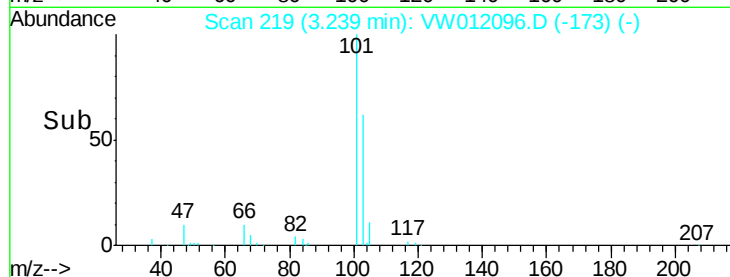
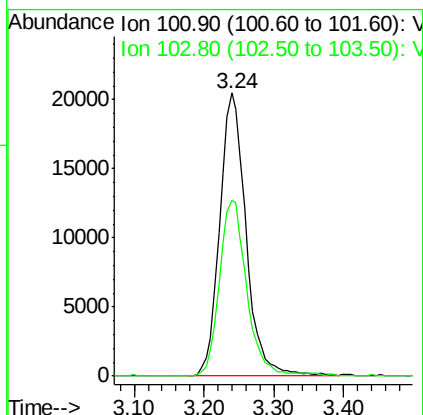
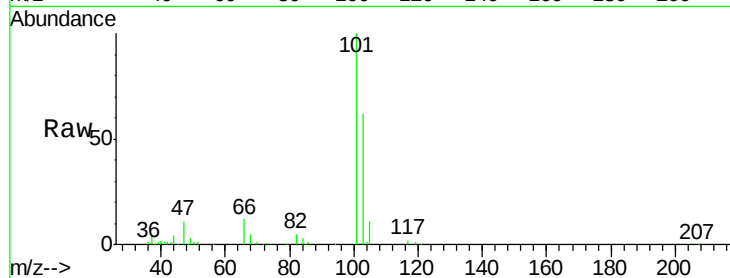


#7

Trichlorofluoromethane
 Concen: 49.841 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Instrument :
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 VSTDCCC050EC

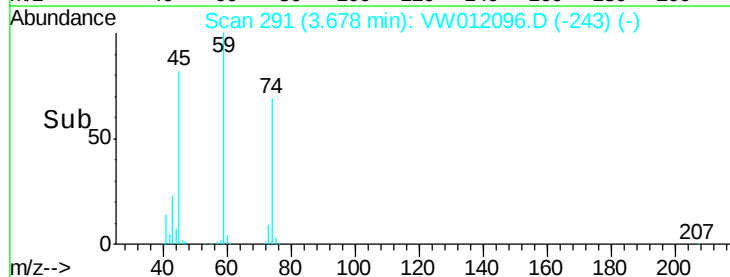
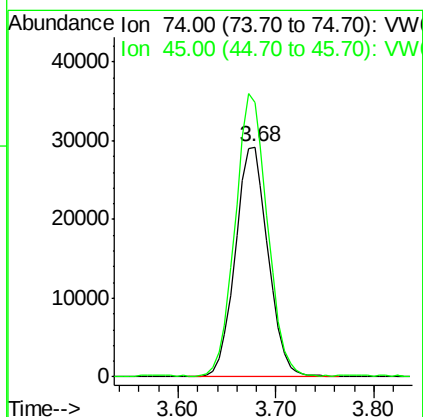
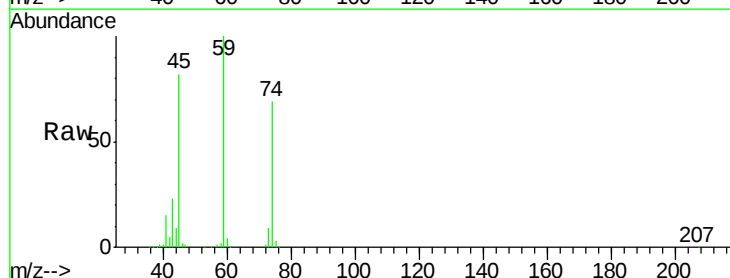
Tot Ion:101 Resp: 53561
 Ion Ratio Lower Upper
 101 100
 103 62.1 50.2 75.4

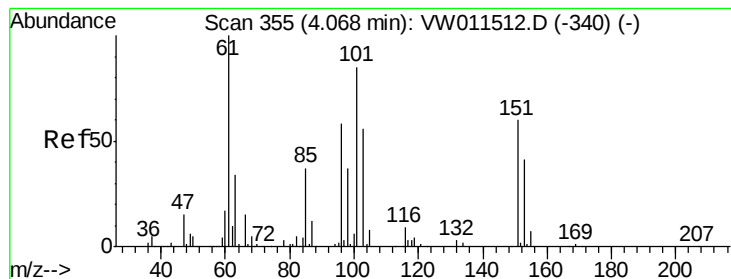


#8

Diethyl Ether
 Concen: 55.595 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 74 Resp: 67738
 Ion Ratio Lower Upper
 74 100
 45 120.7 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.427 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

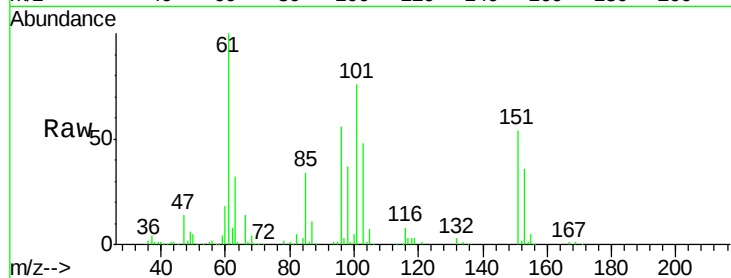
Tot Ion:101 Resp: 106874

Ion Ratio Lower Upper

101 100

85 45.9 36.6 54.8

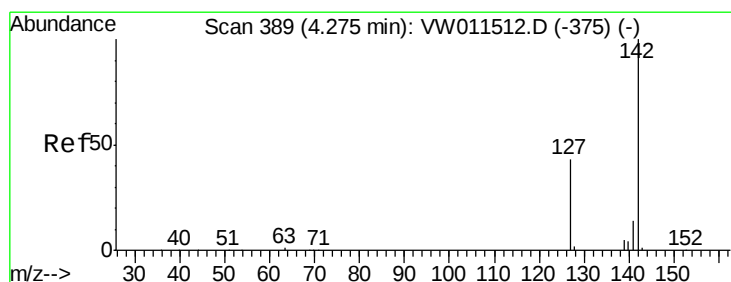
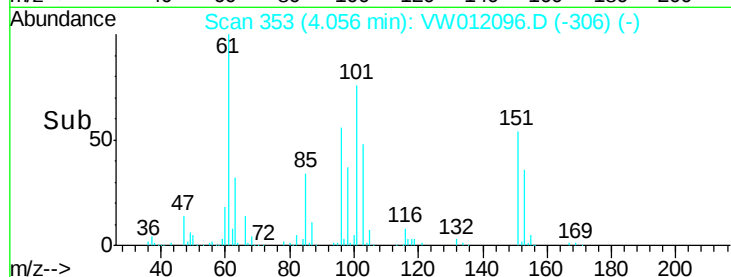
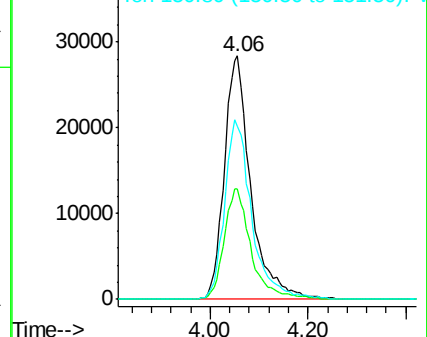
151 75.1 60.2 90.2



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: 53.539 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

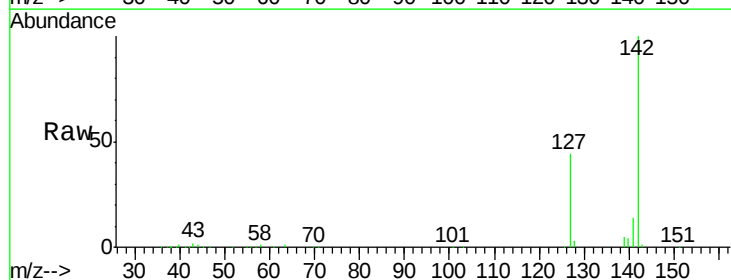
Tgt Ion:142 Resp: 154237

Ion Ratio Lower Upper

142 100

127 44.8 35.0 52.6

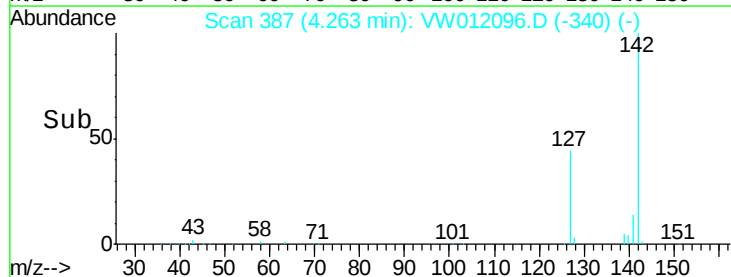
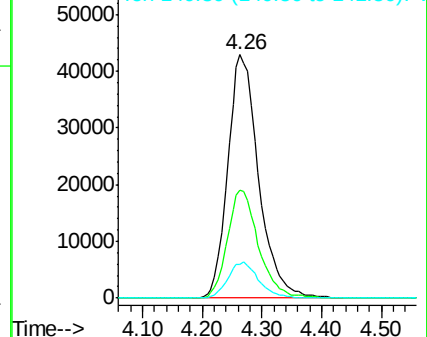
141 14.7 11.9 17.9

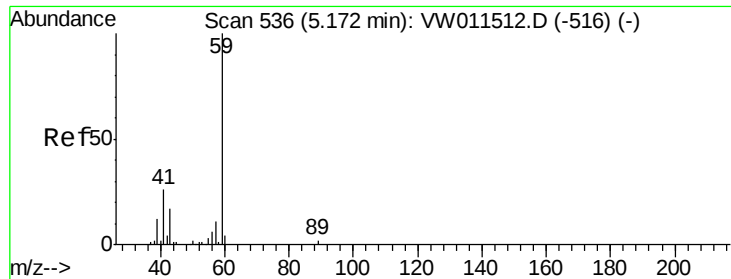


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



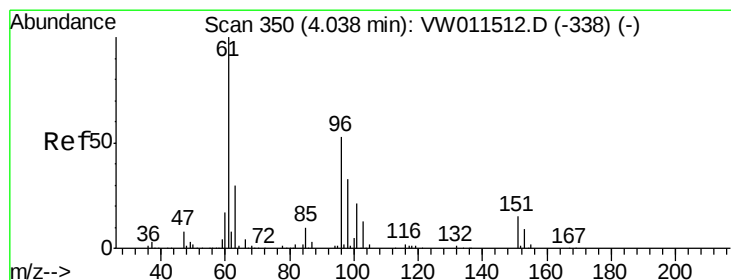
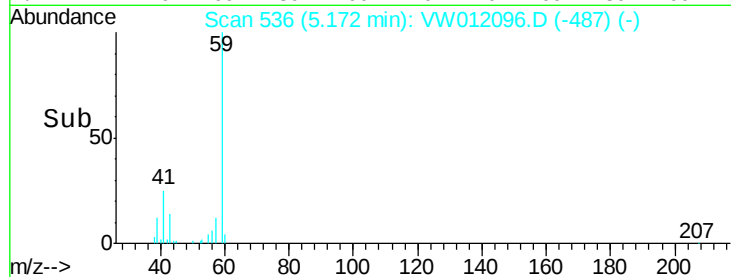
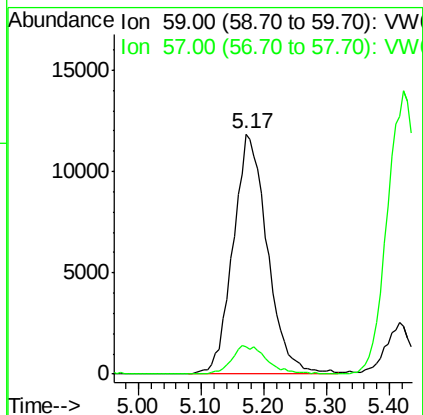
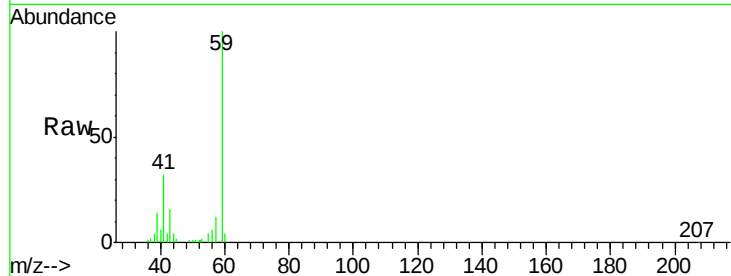


#11

Tert butyl alcohol
Concen: 255.928 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

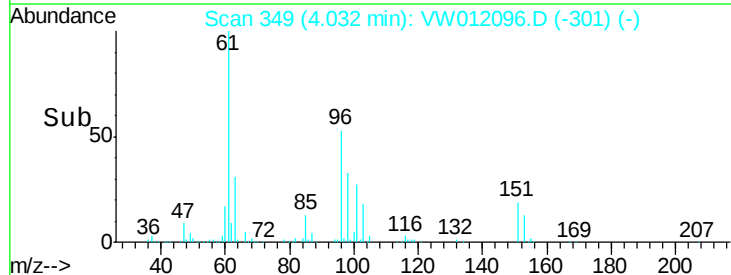
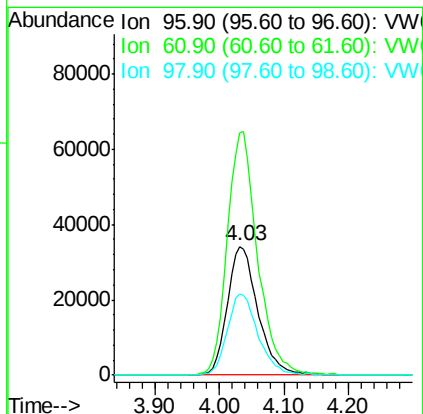
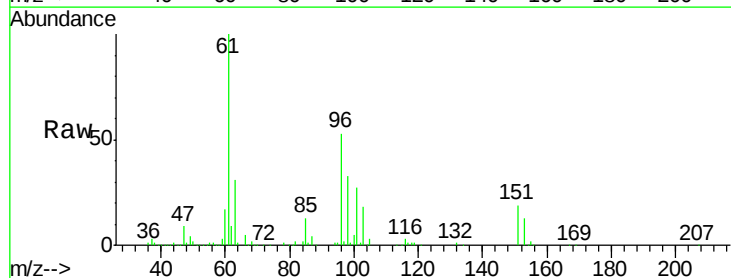
Tot Ion: 59 Resp: 44749
Ion Ratio Lower Upper
59 100
57 12.2 8.5 12.7

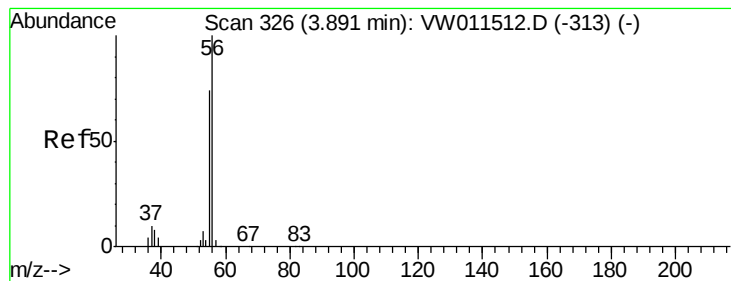


#12

1,1-Dichloroethene
Concen: 52.750 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 96 Resp: 113538
Ion Ratio Lower Upper
96 100
61 188.0 149.9 224.9
98 62.9 49.1 73.7





#13

Acrolein

Concen: 205.360 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

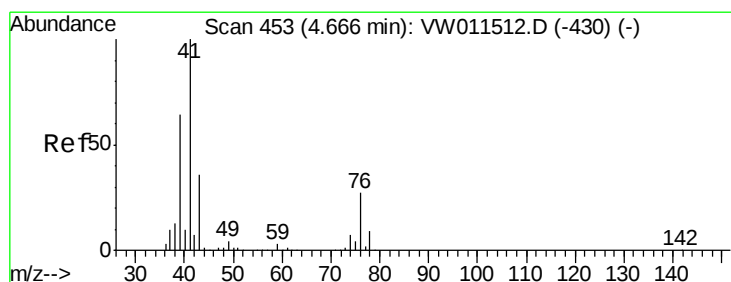
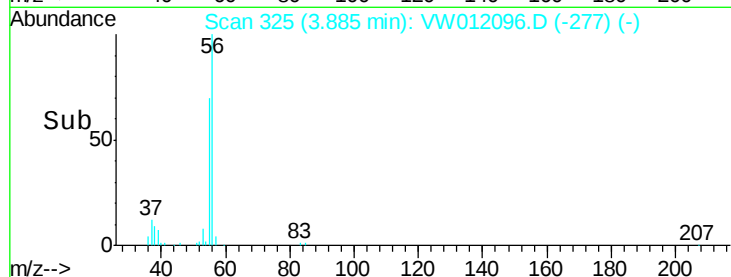
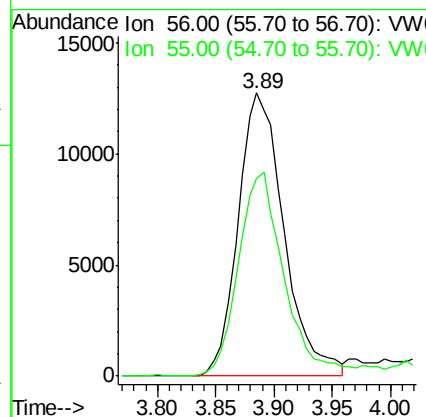
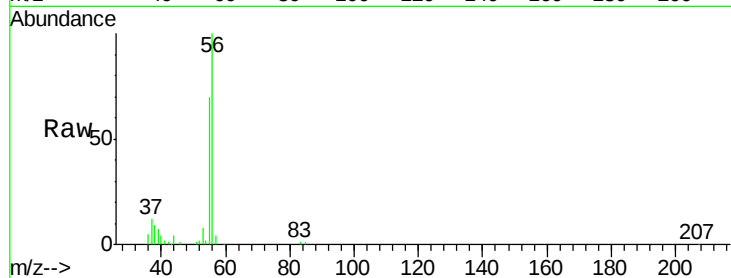
VSTDCCC050EC

Tot Ion: 56 Resp: 34969

Ion Ratio Lower Upper

56 100

55 71.7 56.0 84.0



#14

Allyl chloride

Concen: 51.749 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

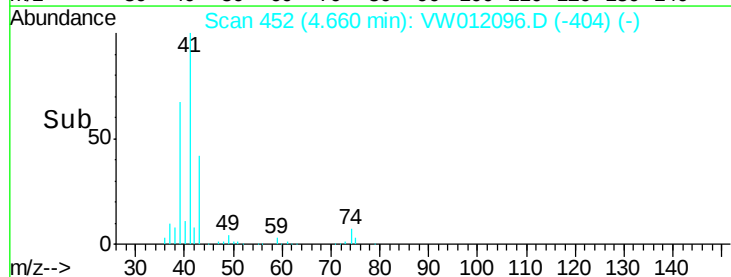
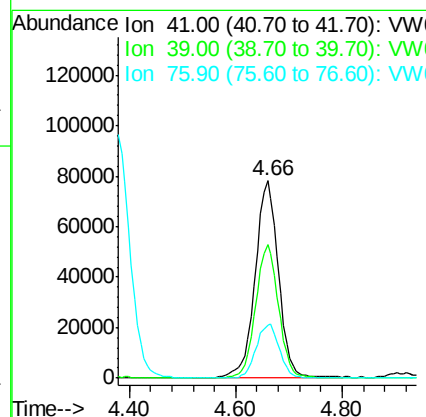
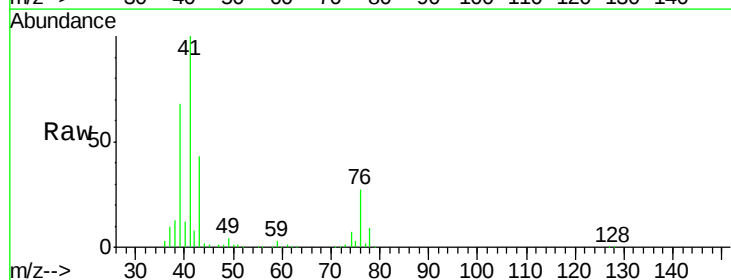
Tgt Ion: 41 Resp: 236901

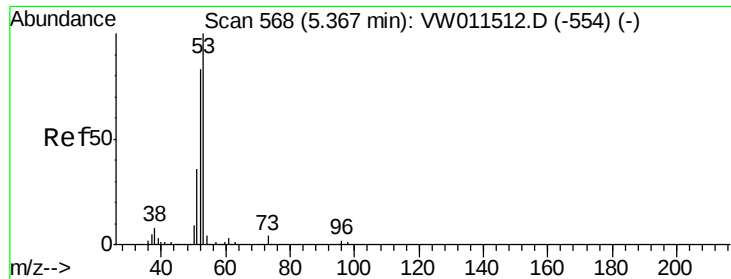
Ion Ratio Lower Upper

41 100

39 66.3 52.6 78.8

76 26.6 22.0 33.0





#15

Acrylonitrile

Concen: 290.695 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

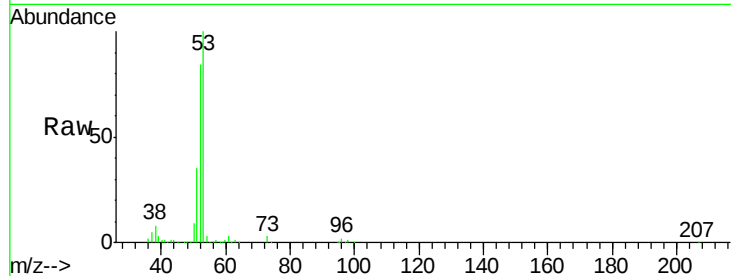
Tot Ion: 53 Resp: 176808

Ion Ratio Lower Upper

53 100

52 83.3 67.2 100.8

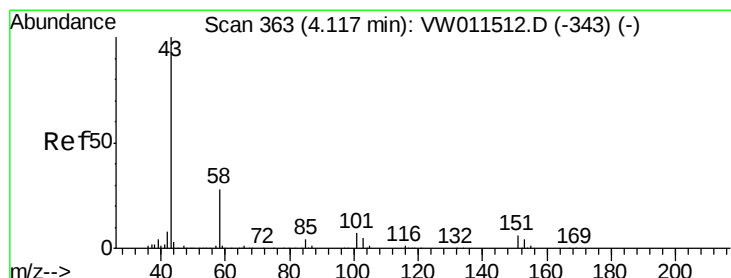
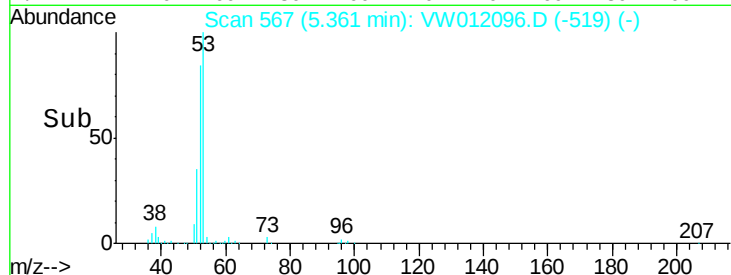
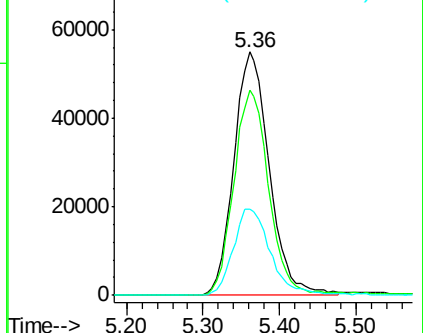
51 37.0 30.0 45.0



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: 196.679 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012096.D

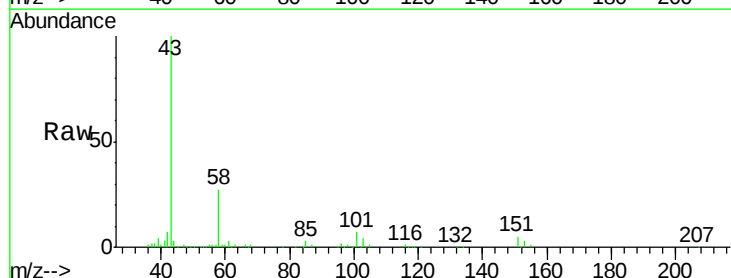
Acq: 22 Aug 2019 02:47

Tgt Ion: 43 Resp: 148472

Ion Ratio Lower Upper

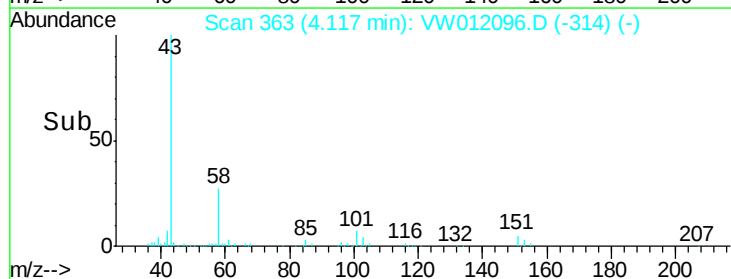
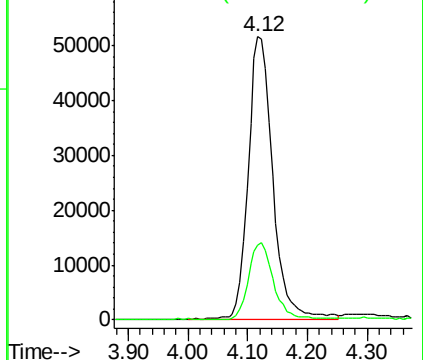
43 100

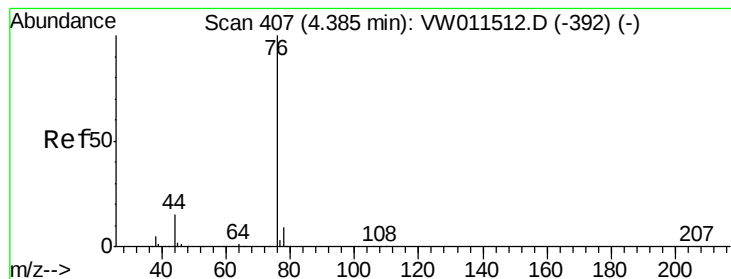
58 26.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 45.105 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

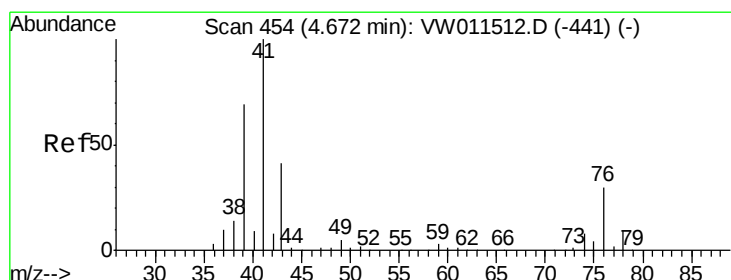
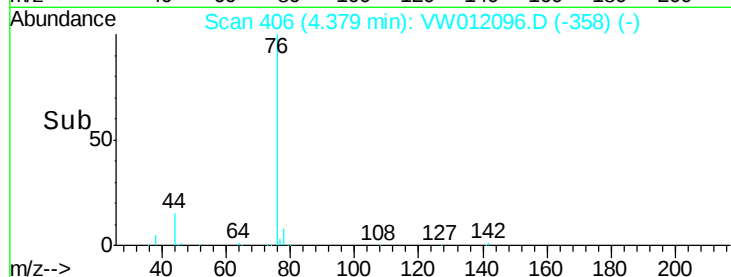
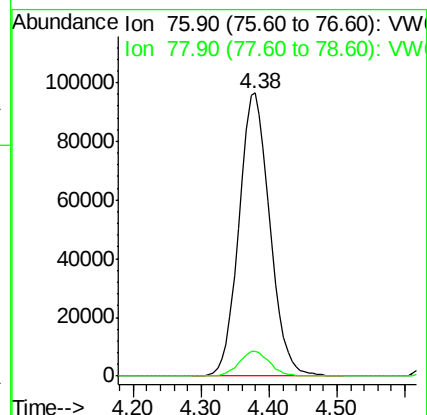
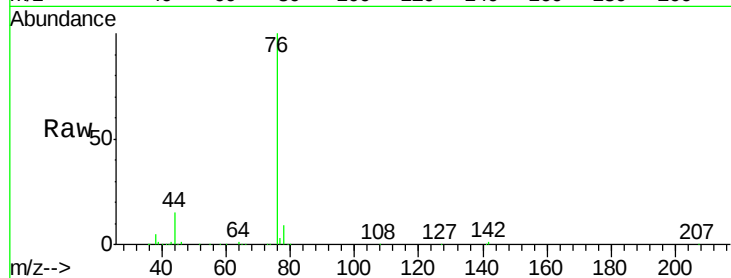
VSTDCCC050EC

Tot Ion: 76 Resp: 303856

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 60.069 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012096.D

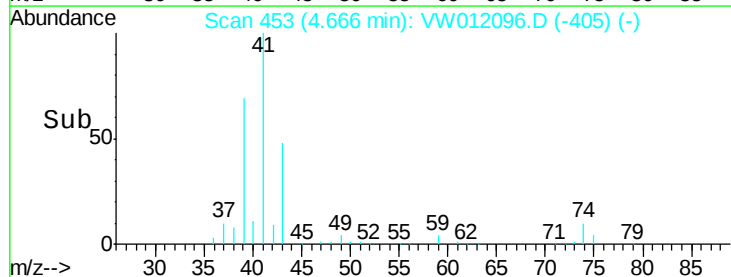
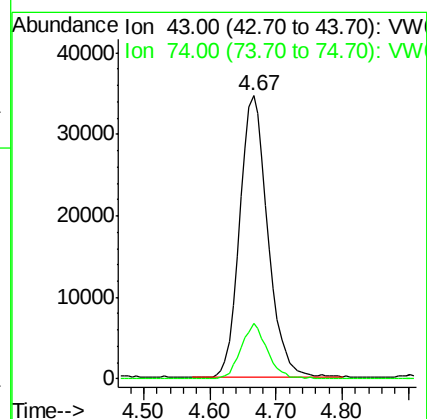
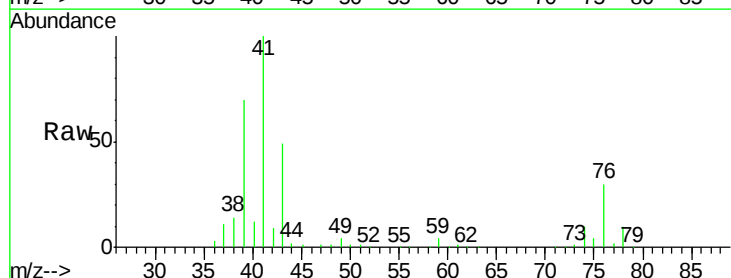
Acq: 22 Aug 2019 02:47

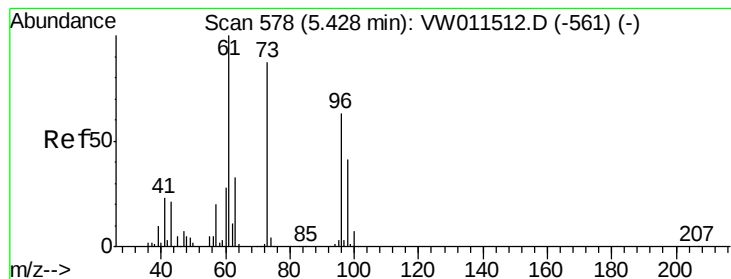
Tgt Ion: 43 Resp: 101869

Ion Ratio Lower Upper

43 100

74 18.5 15.9 23.9



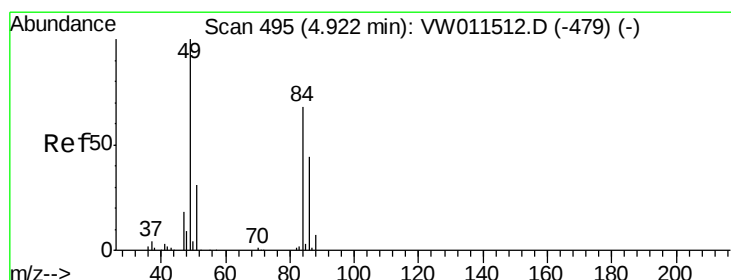
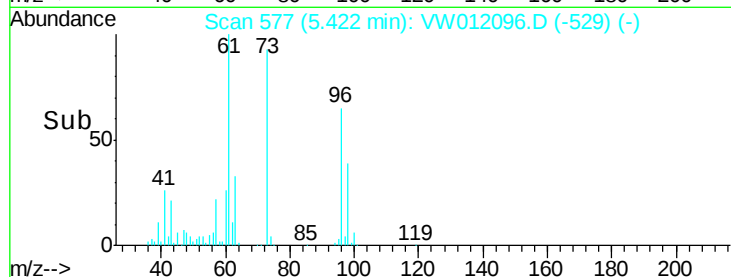
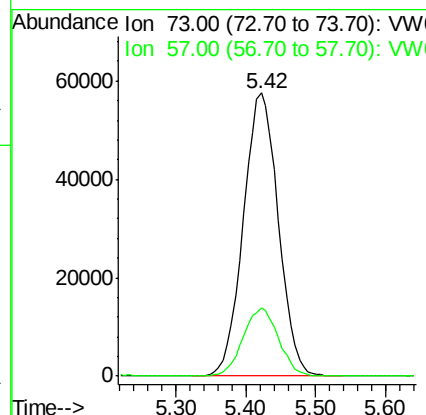
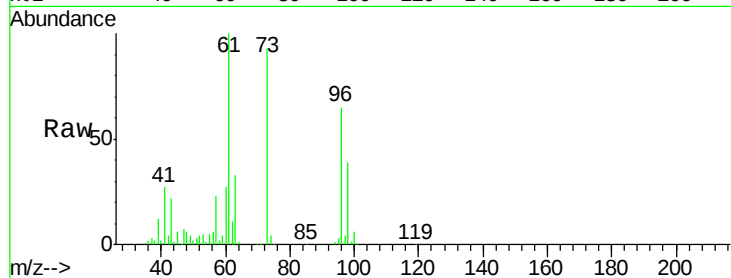


#19

Methyl tert-butyl Ether
 Concen: 58.449 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

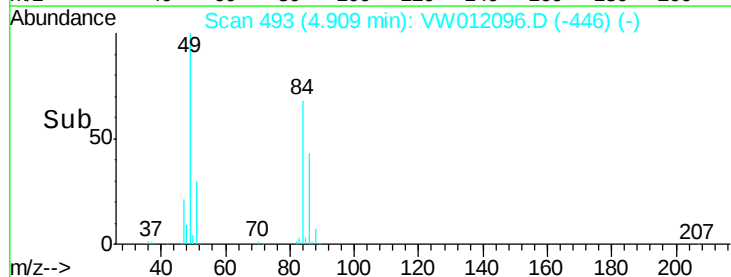
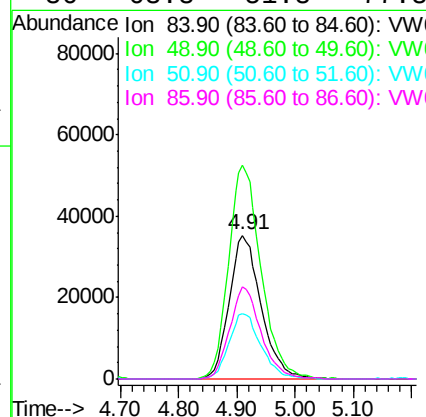
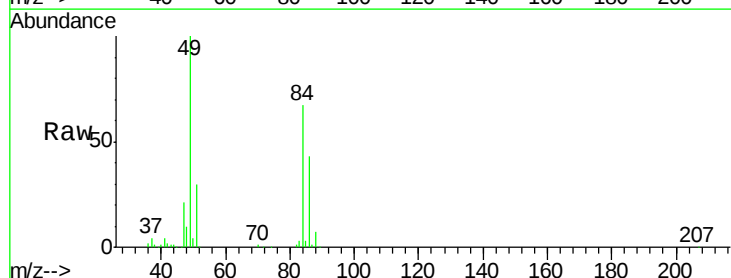
Tot Ion: 73 Resp: 199636
 Ion Ratio Lower Upper
 73 100
 57 24.3 18.4 27.6

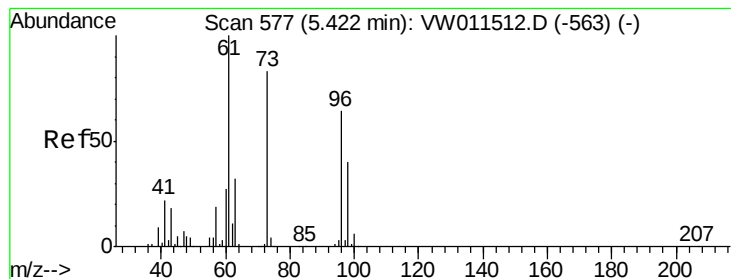


#20

Methylene Chloride
 Concen: 51.338 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 84 Resp: 133658
 Ion Ratio Lower Upper
 84 100
 49 148.8 117.8 176.6
 51 45.1 37.0 55.4
 86 63.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 54.671 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

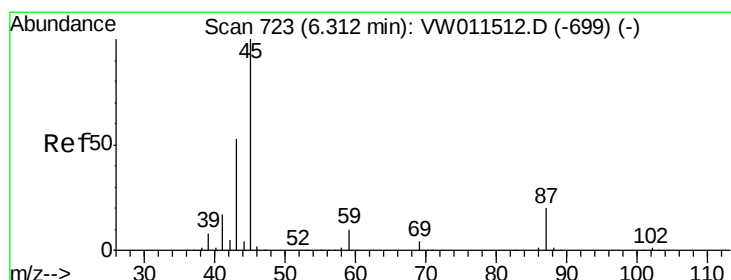
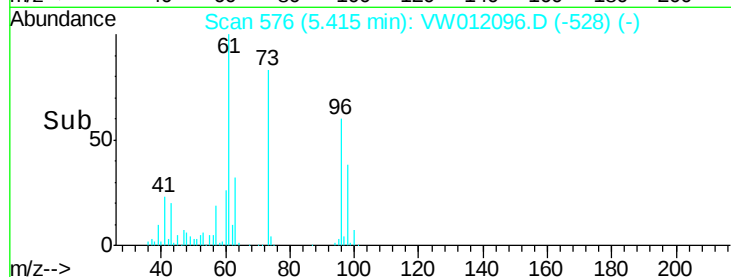
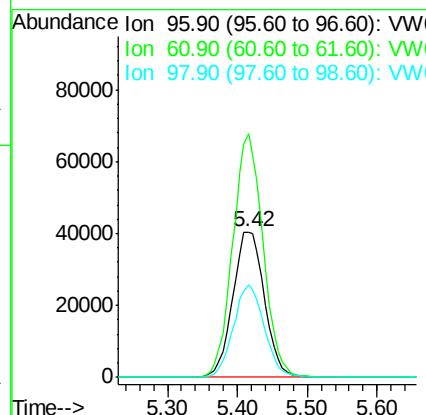
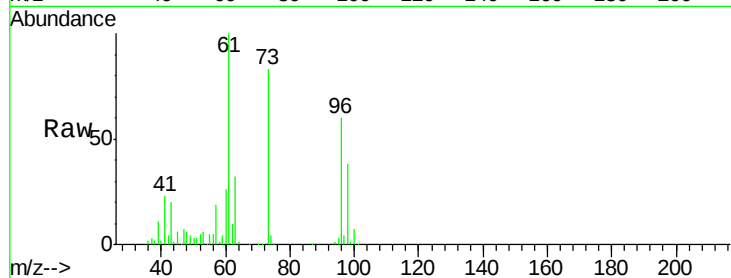
Tot Ion: 96 Resp: 126865

Ion Ratio Lower Upper

96 100

61 167.7 125.7 188.5

98 64.0 50.3 75.5



#22

Diisopropyl ether

Concen: 58.340 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Tgt Ion: 45 Resp: 503539

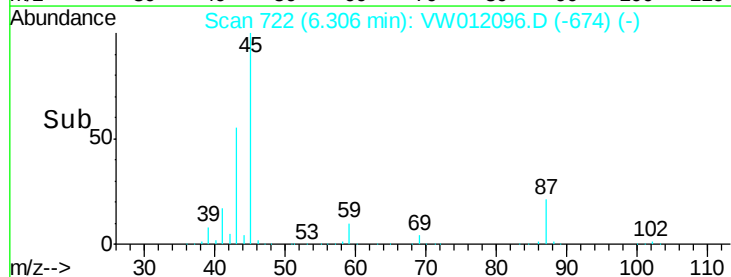
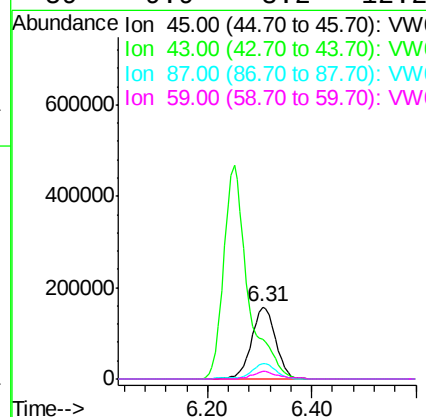
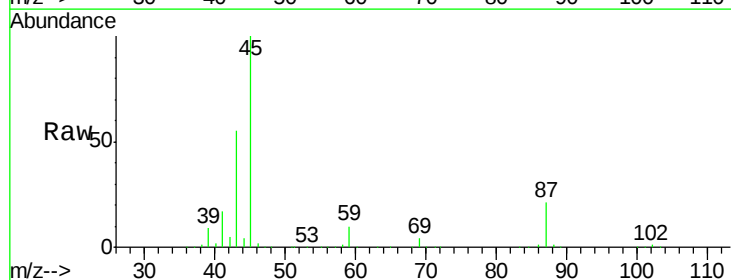
Ion Ratio Lower Upper

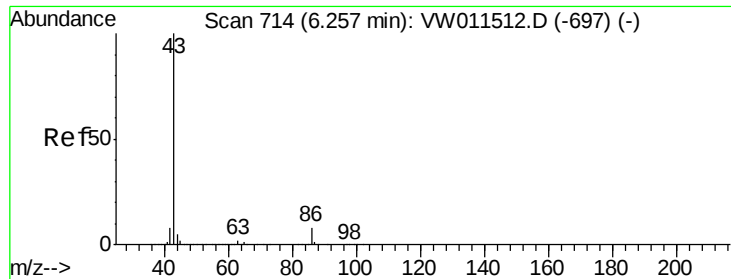
45 100

43 54.9 42.6 63.8

87 21.0 16.4 24.6

59 9.9 8.2 12.2

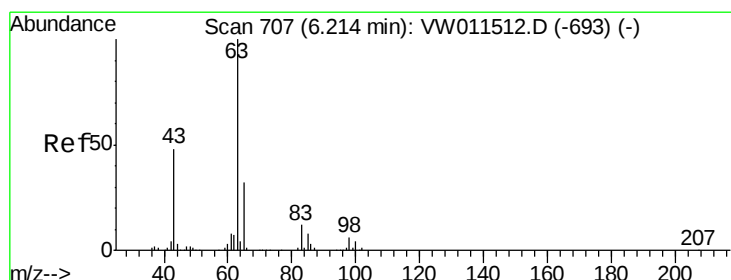
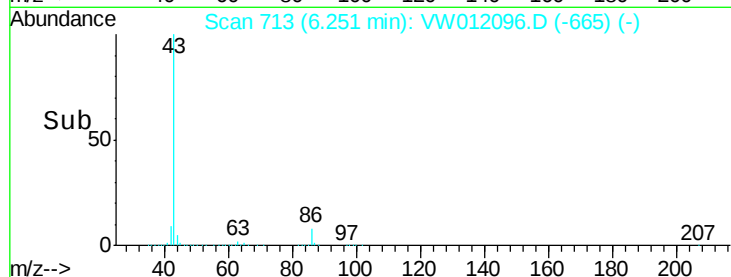
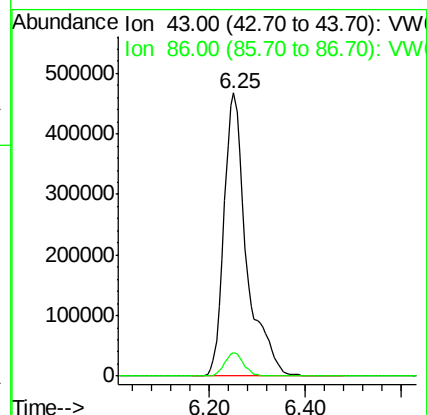
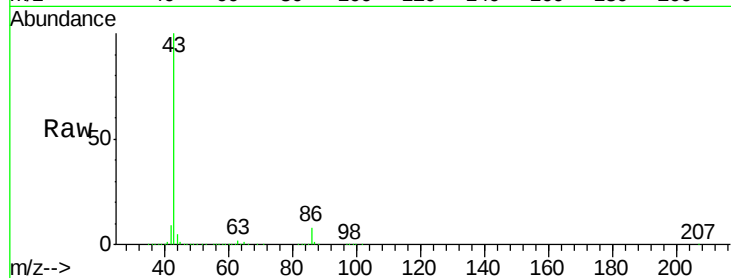




#23
 Vinyl Acetate
 Concen: 282.311 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

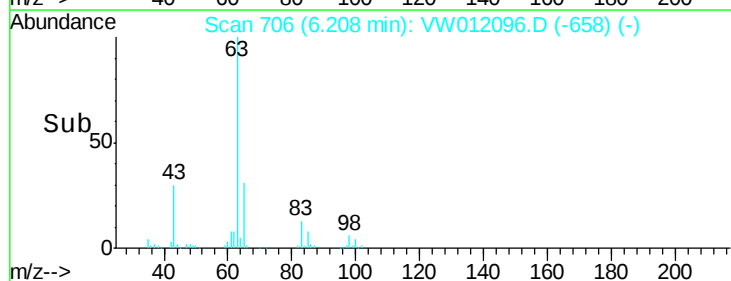
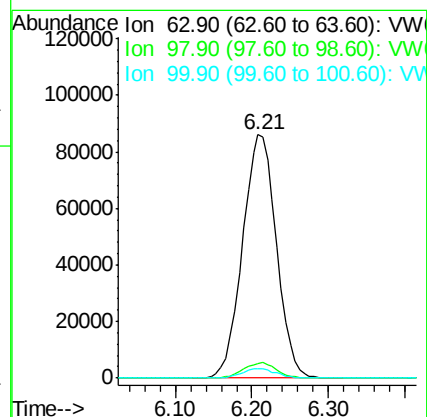
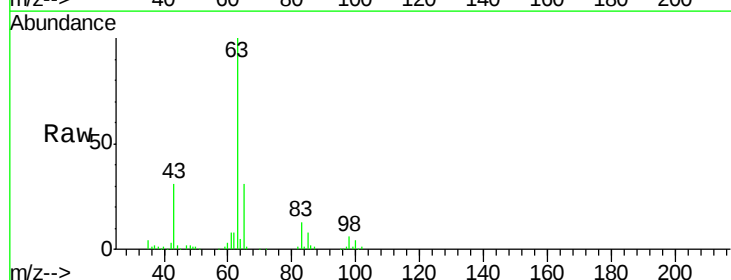
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

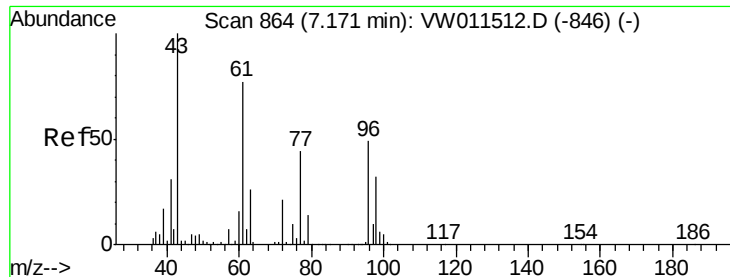
Tot Ion: 43 Resp: 1531079
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 57.062 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 63 Resp: 263771
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.8 2.1 6.3

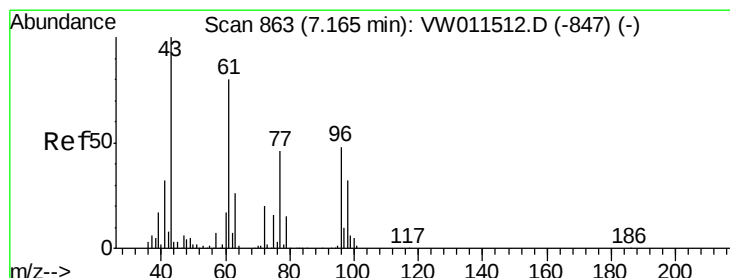
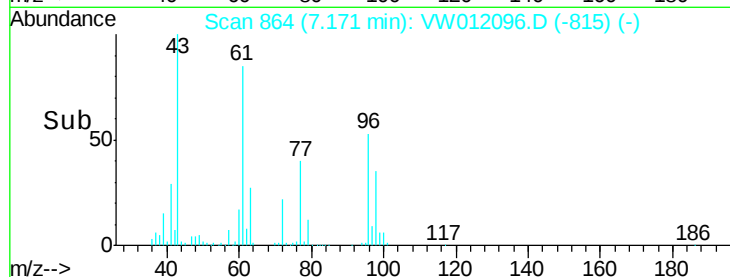
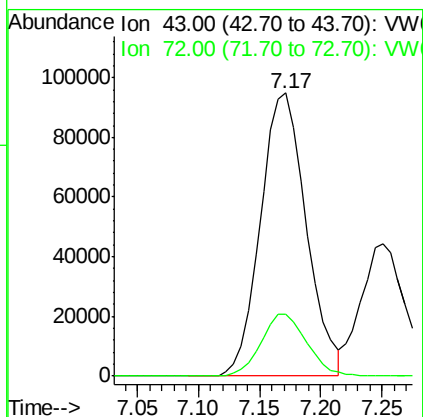
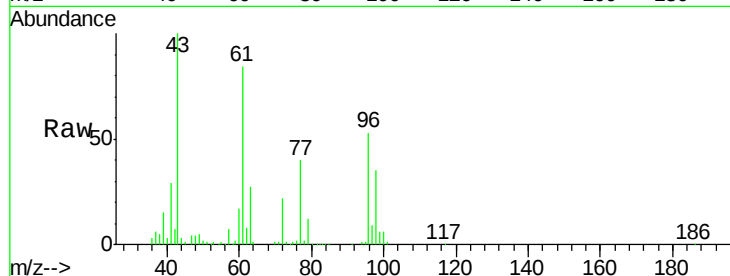




#25
2-Butanone
Concen: 250.104 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

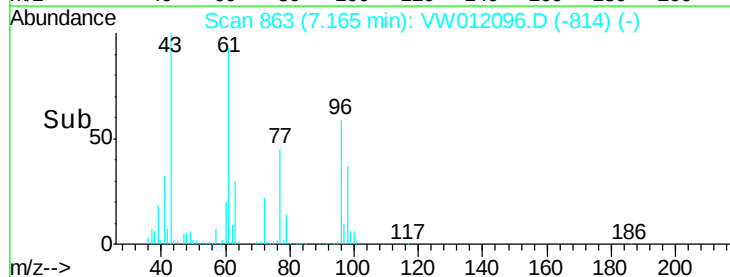
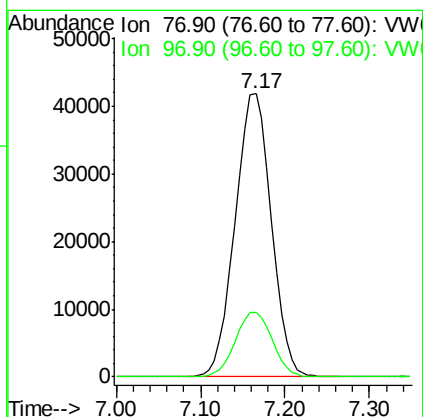
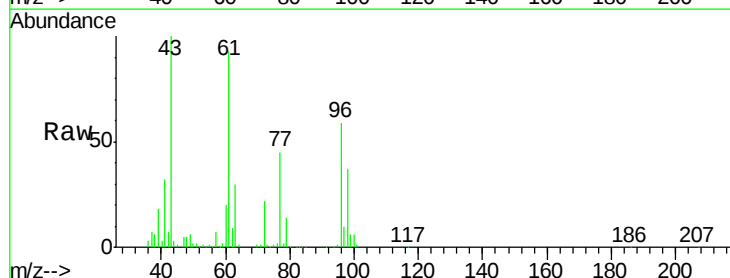
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

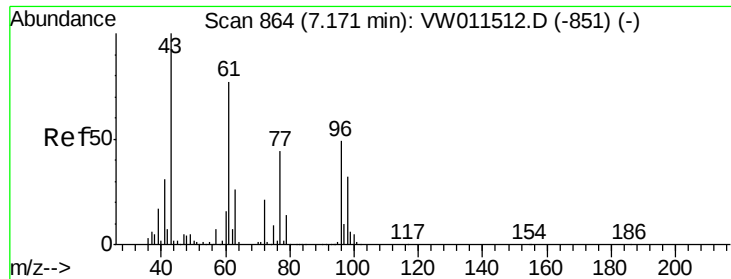
Tot Ion: 43 Resp: 247054
Ion Ratio Lower Upper
43 100
72 21.9 16.6 24.8



#26
2,2-Dichloropropane
Concen: 42.757 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 77 Resp: 121550
Ion Ratio Lower Upper
77 100
97 23.5 10.8 32.4

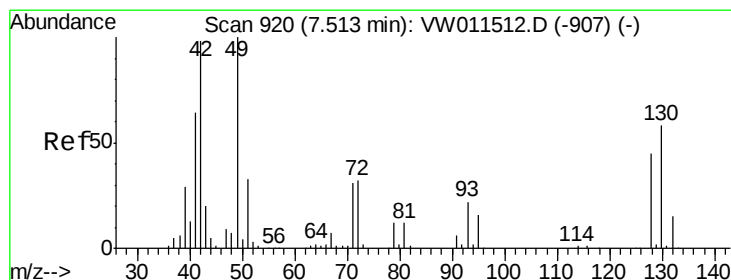
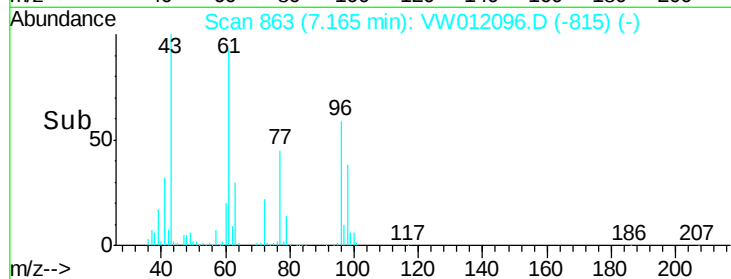
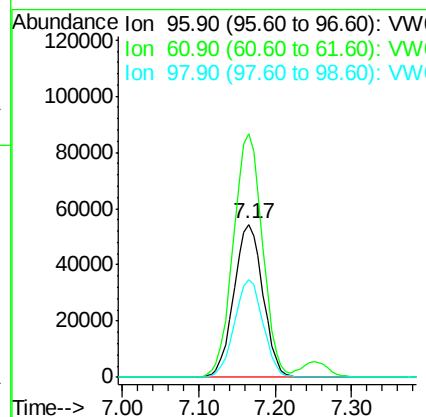
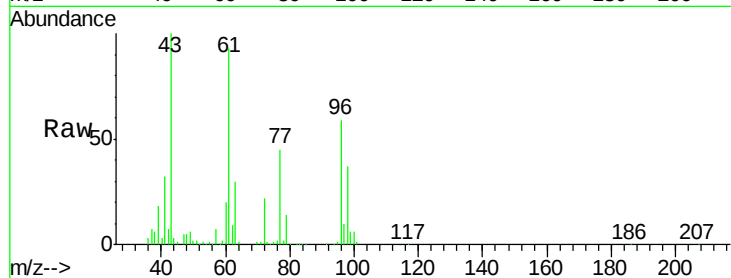




#27
 cis-1,2-Dichloroethene
 Concen: 56.017 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

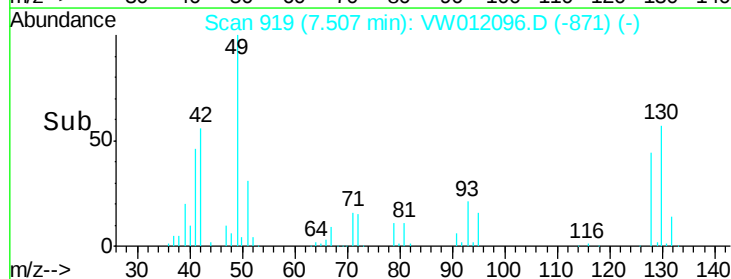
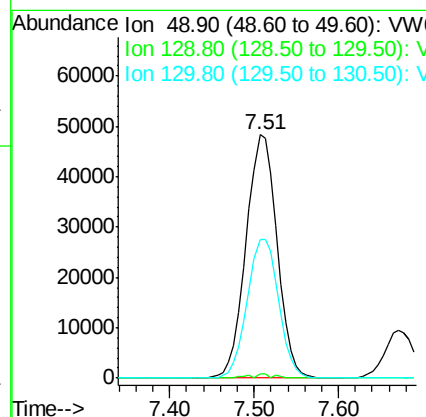
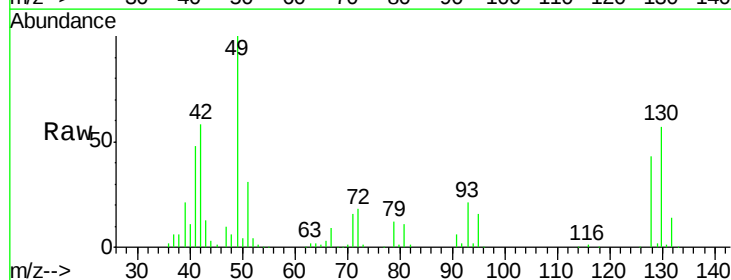
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

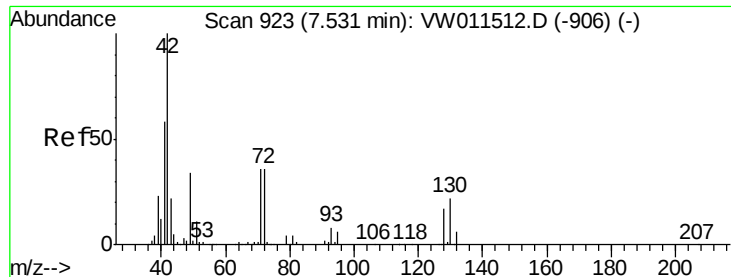
Tot Ion: 96 Resp: 143063
 Ion Ratio Lower Upper
 96 100
 61 159.7 0.0 328.4
 98 63.3 0.0 128.8



#28
 Bromochloromethane
 Concen: 58.566 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 49 Resp: 120163
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 1.0#
 130 58.0 46.3 69.5

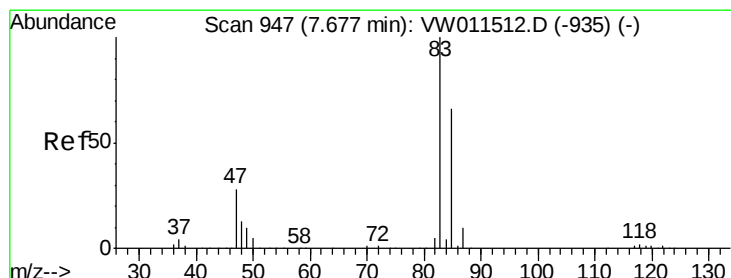
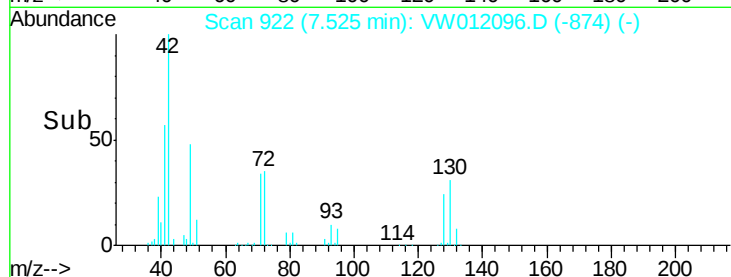
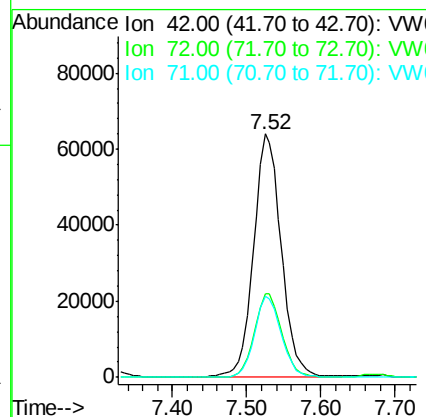
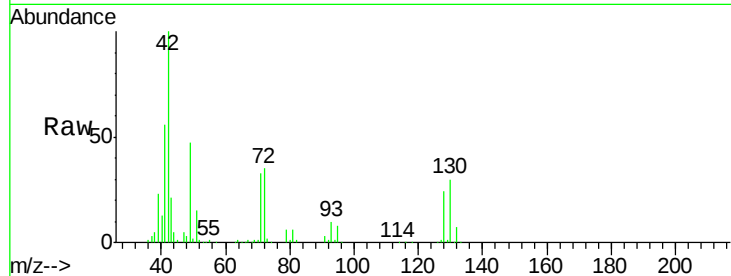




#29
Tetrahydrofuran
Concen: 293.980 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

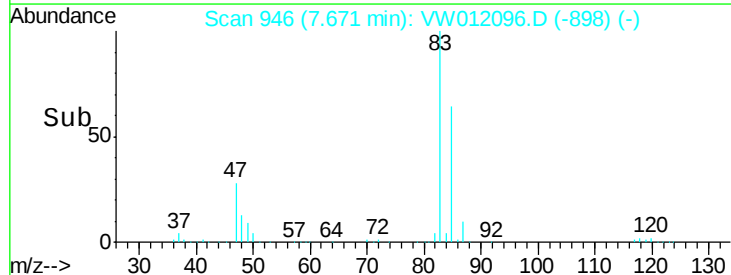
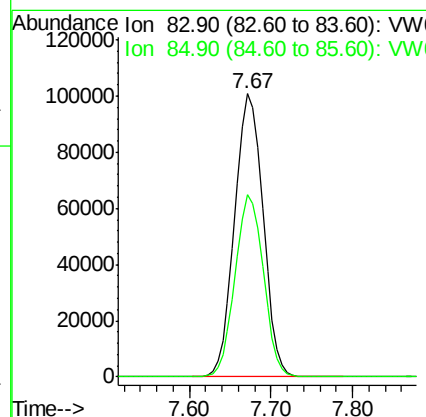
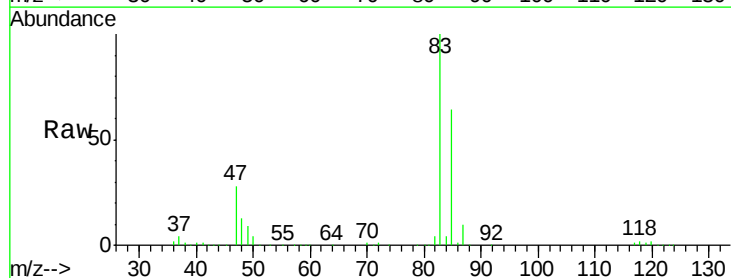
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

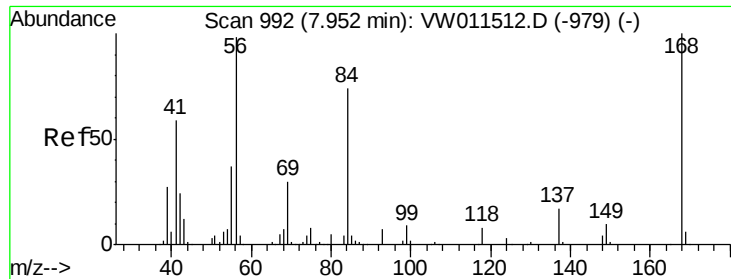
Tot Ion: 42 Resp: 165992
Ion Ratio Lower Upper
42 100
72 34.0 27.1 40.7
71 32.4 26.2 39.4



#30
Chloroform
Concen: 57.046 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 83 Resp: 243279
Ion Ratio Lower Upper
83 100
85 64.3 52.5 78.7

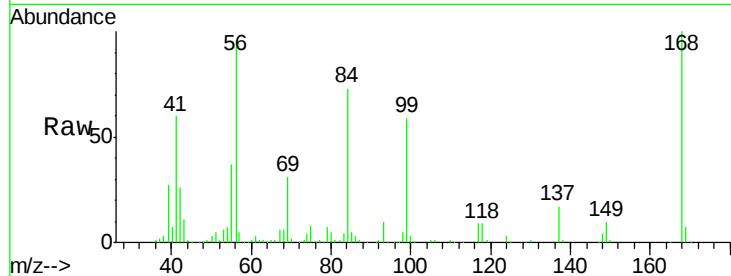




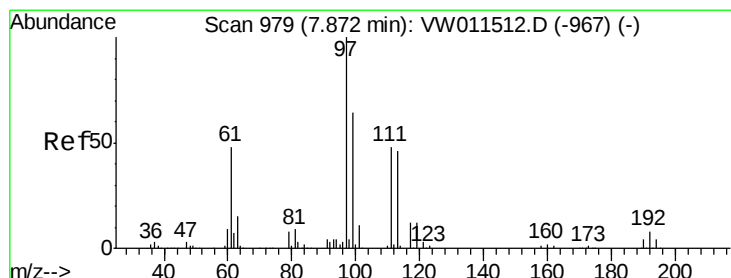
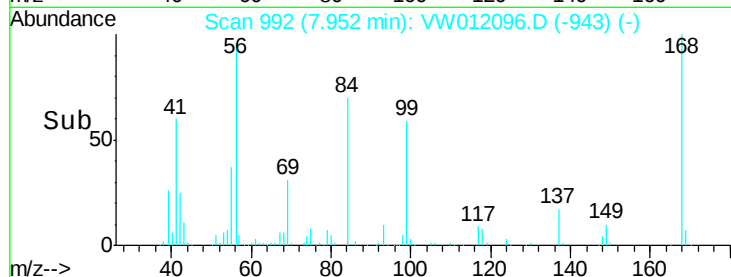
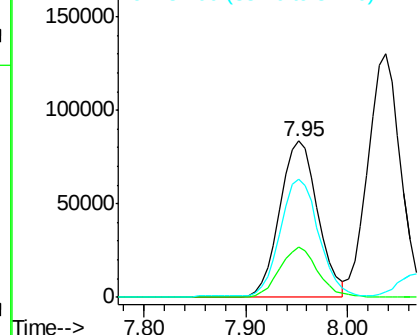
#31
Cyclohexane
Concen: 48.964 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 217262
Ion Ratio Lower Upper
56 100
69 32.0 24.3 36.5
84 75.0 60.4 90.6

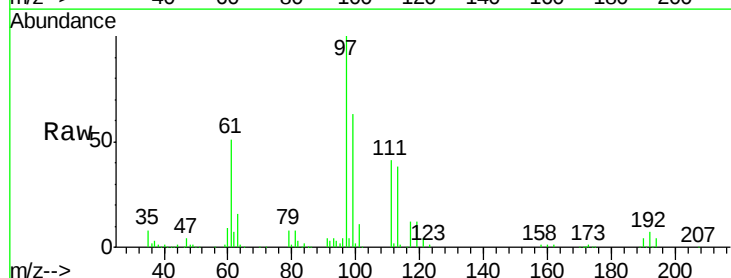


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

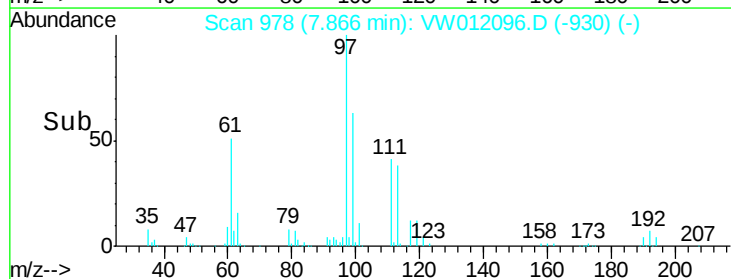
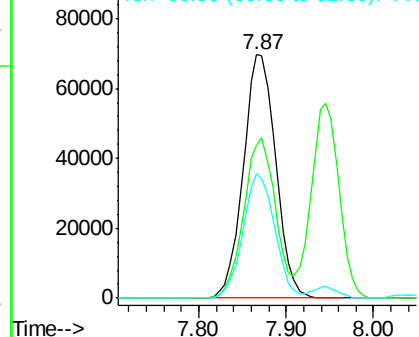


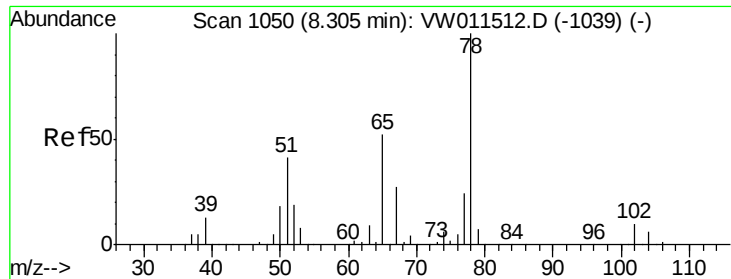
#32
1,1,1-Trichloroethane
Concen: 55.264 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 97 Resp: 179485
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 49.9 39.8 59.6



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

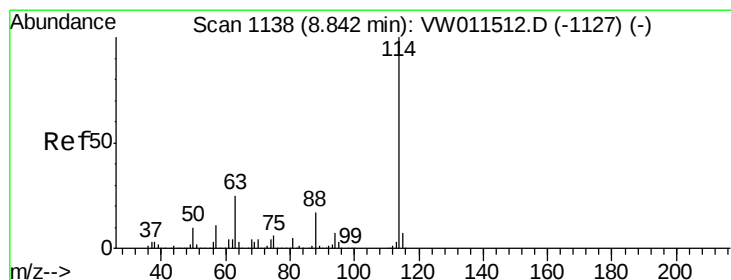
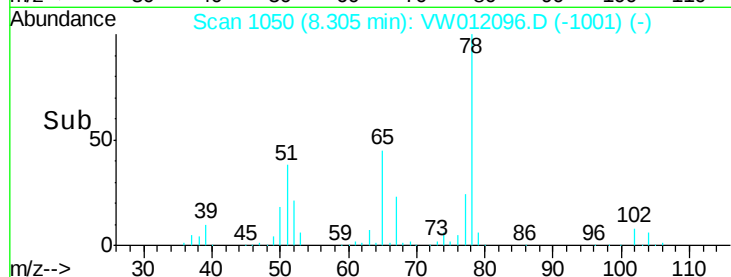
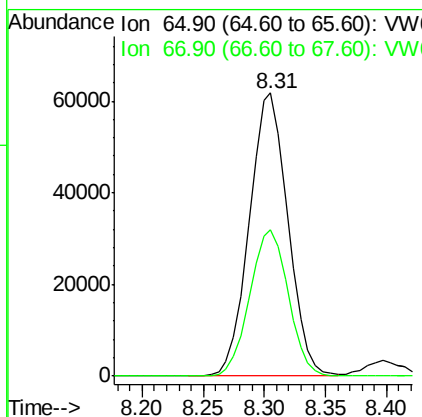
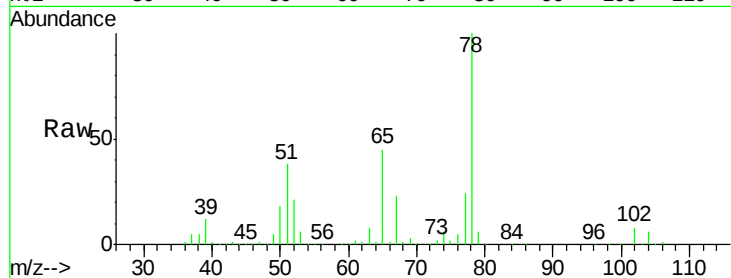




#33
 1,2-Dichloroethane-d4
 Concen: 57.151 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

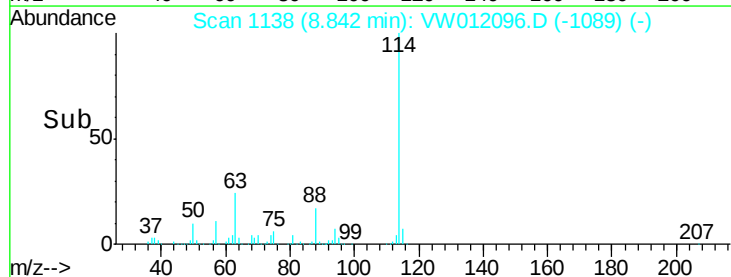
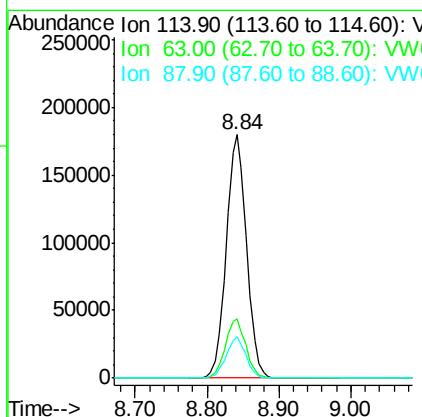
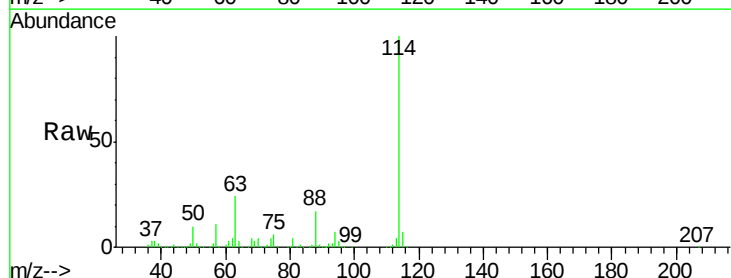
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

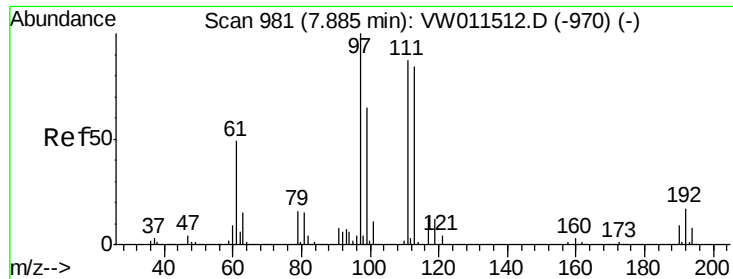
Tot Ion: 65 Resp: 135629
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 114 Resp: 350793
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 56.079 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

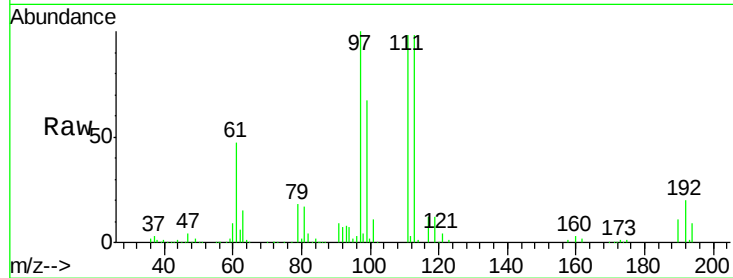
Tot Ion:113 Resp: 110364

Ion Ratio Lower Upper

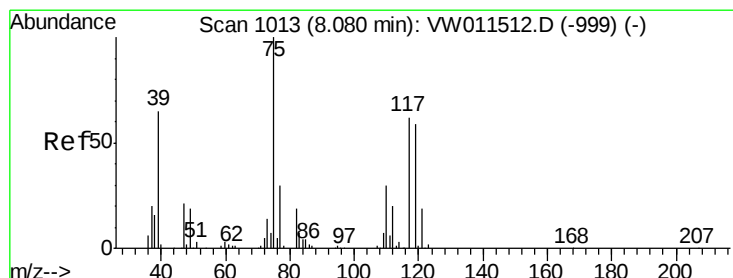
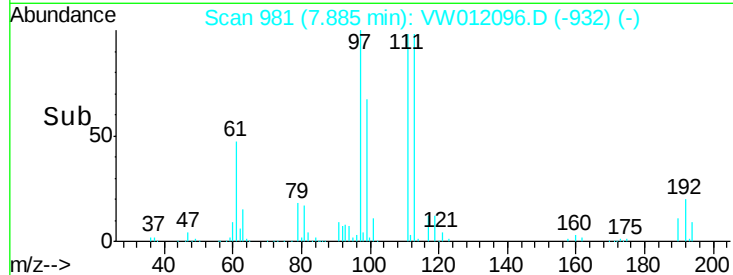
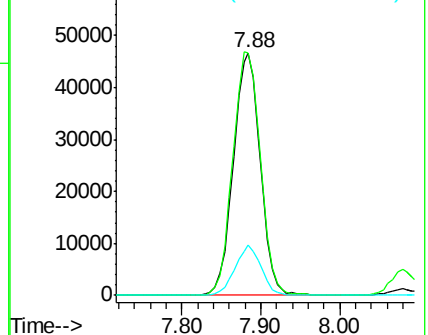
113 100

111 103.2 82.7 124.1

192 20.0 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: 51.691 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

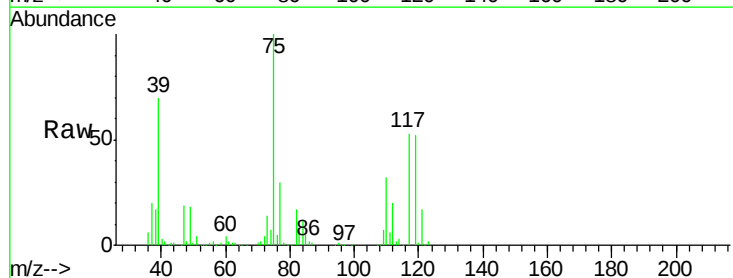
Tgt Ion: 75 Resp: 188549

Ion Ratio Lower Upper

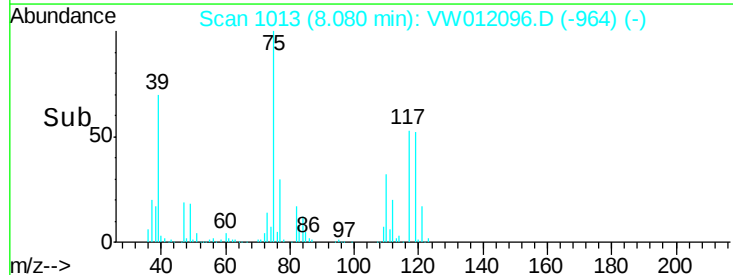
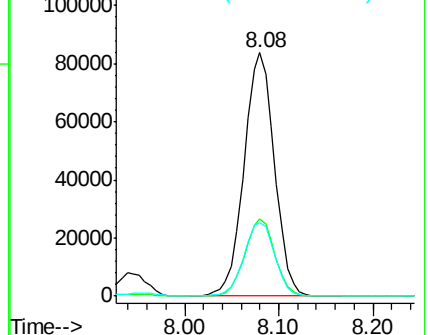
75 100

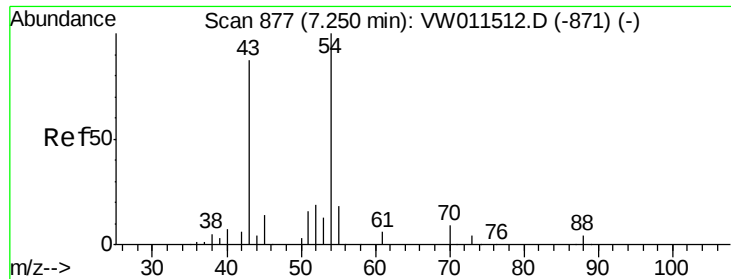
110 31.4 15.6 46.8

77 31.1 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

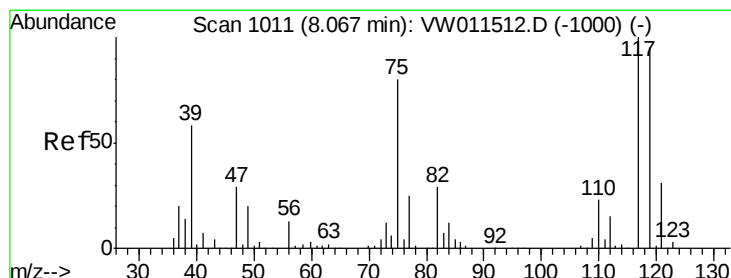
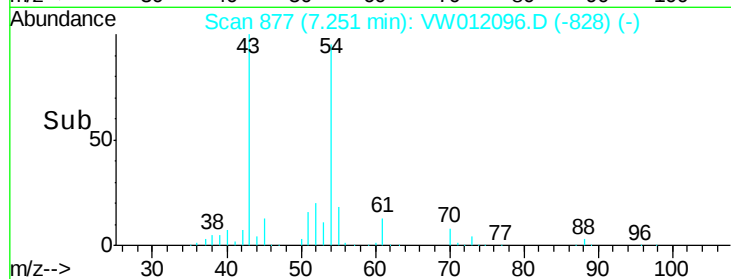
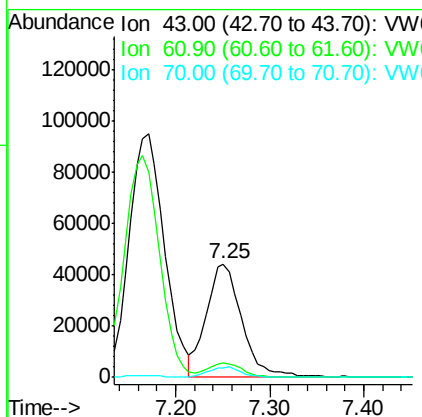
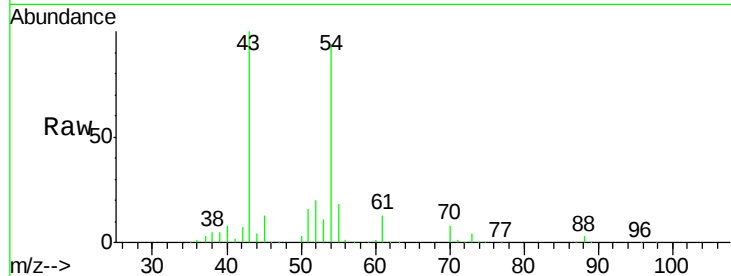




#37
Ethyl Acetate
Concen: 54.248 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

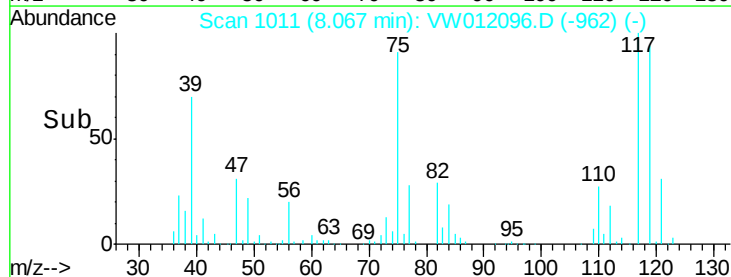
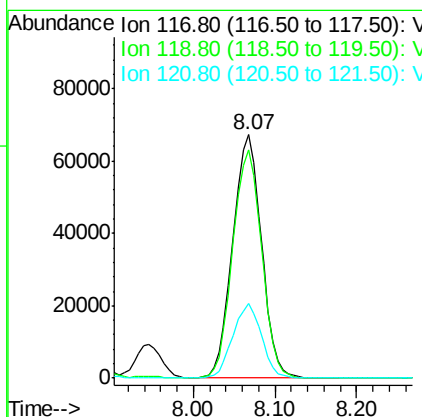
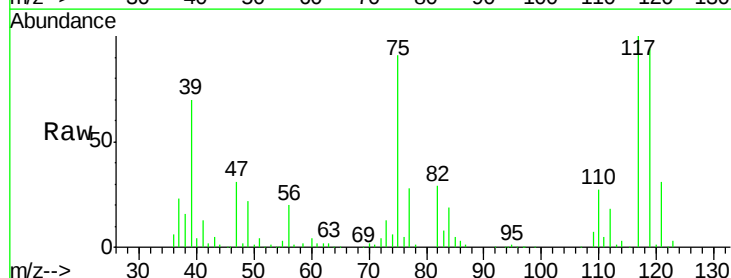
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

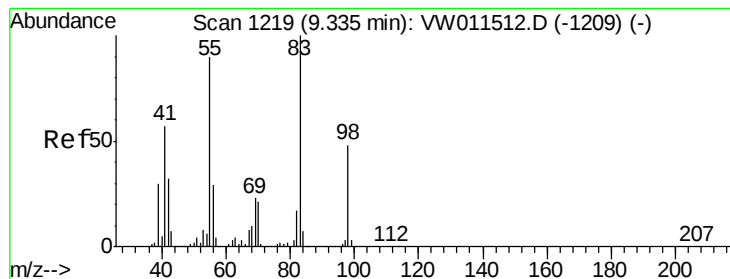
Tot Ion: 43 Resp: 113843
Ion Ratio Lower Upper
43 100
61 12.6 8.8 13.2
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 52.510 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 117 Resp: 163969
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.6
121 30.8 24.7 37.1





#39

Methvlcvclohexane

Concen: 51.639 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

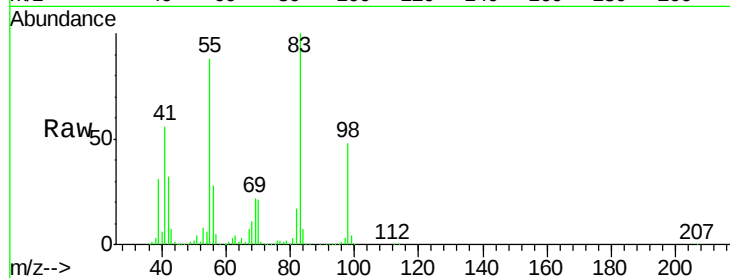
Tot Ion: 83 Resp: 207405

Ion Ratio Lower Upper

83 100

55 88.1 72.1 108.1

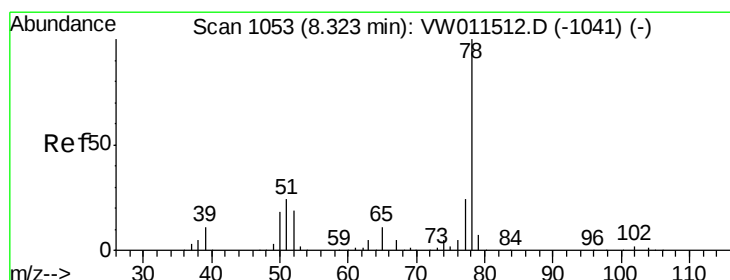
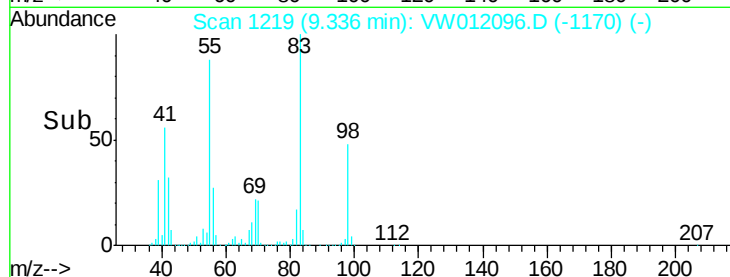
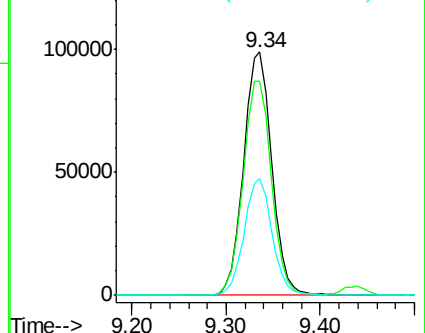
98 47.9 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 53.877 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW012096.D

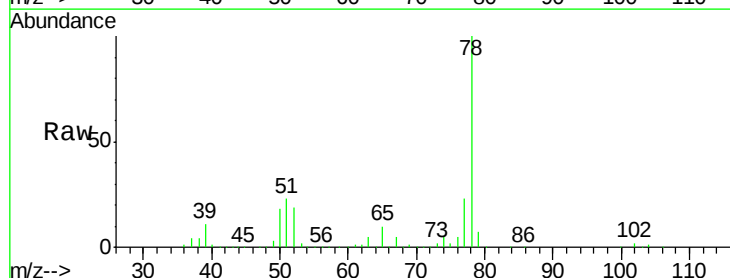
Acq: 22 Aug 2019 02:47

Tgt Ion: 78 Resp: 550475

Ion Ratio Lower Upper

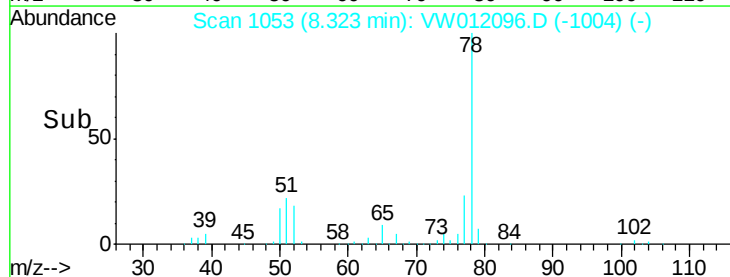
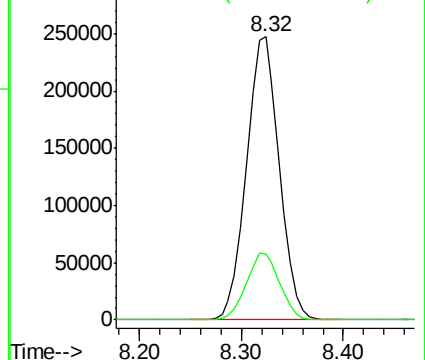
78 100

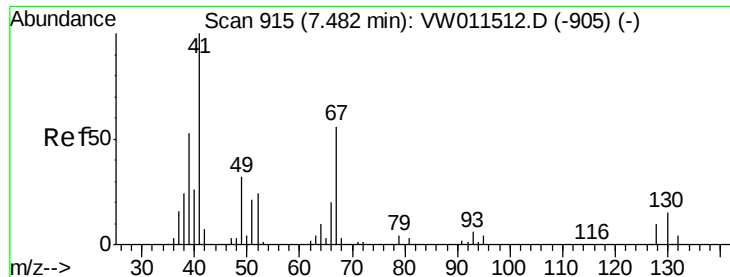
77 23.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 56.460 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70827

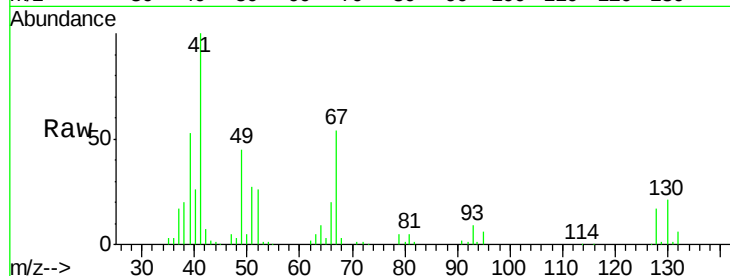
Ion Ratio Lower Upper

41 100

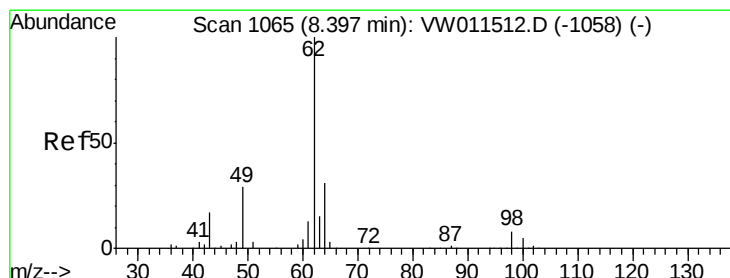
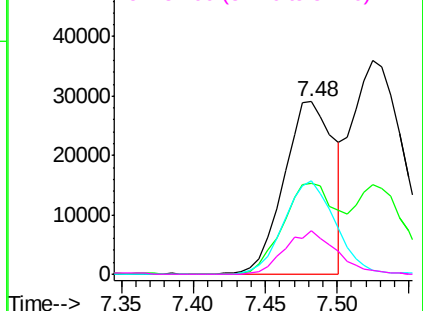
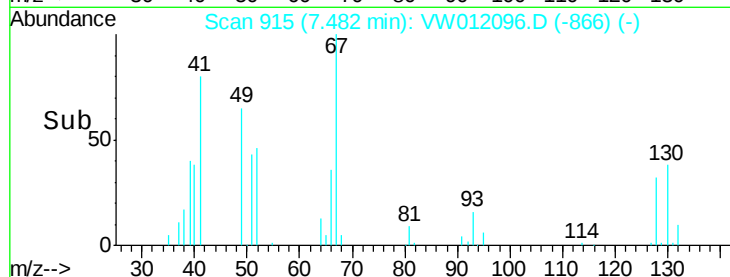
39 58.2 43.0 64.4

67 55.7 47.5 71.3

52 26.0 21.0 31.6



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



#42

1,2-Dichloroethane

Concen: 55.227 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW012096.D

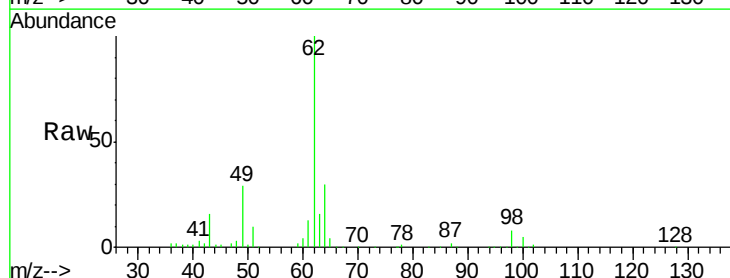
Acq: 22 Aug 2019 02:47

Tgt Ion: 62 Resp: 176663

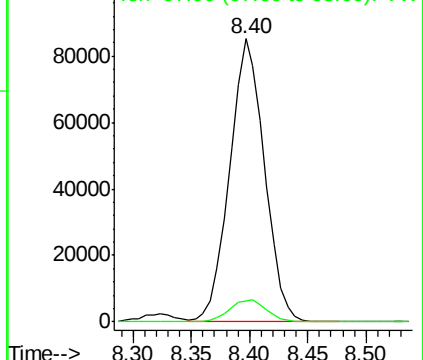
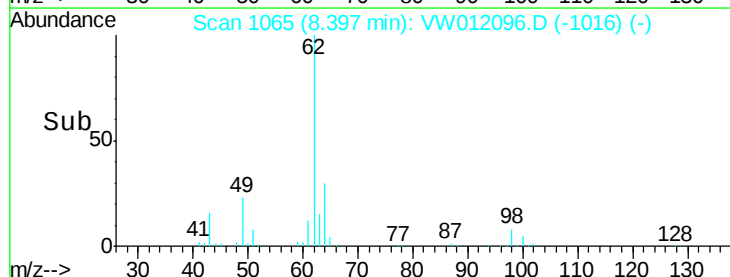
Ion Ratio Lower Upper

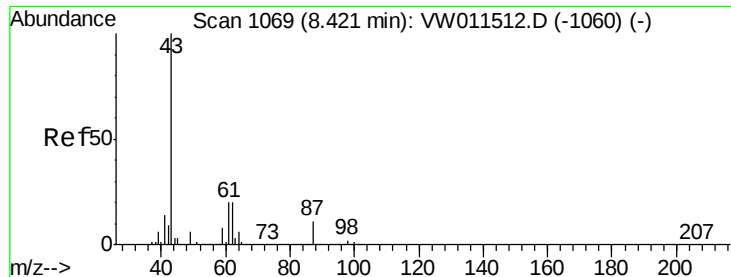
62 100

98 8.3 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 55.982 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

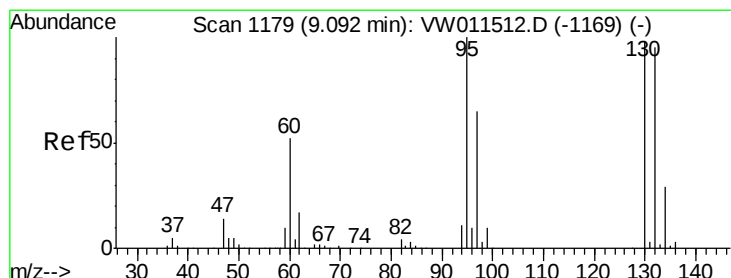
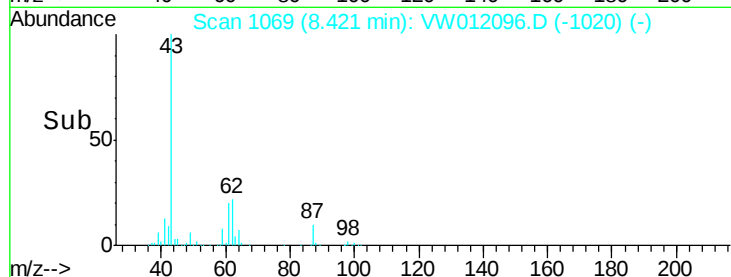
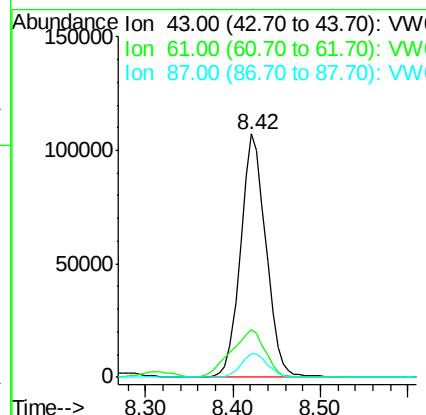
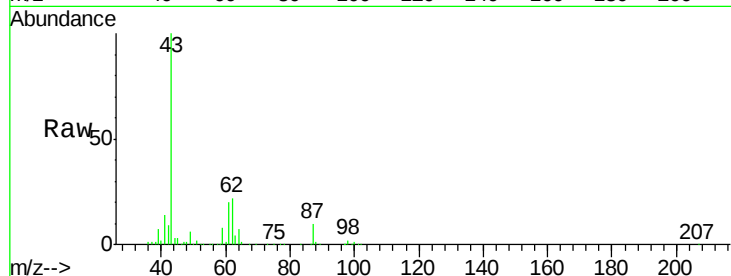
Tot Ion: 43 Resp: 216060

Ion Ratio Lower Upper

43 100

61 26.6 21.5 32.3

87 10.2 8.4 12.6



#44

Trichloroethene

Concen: 53.073 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012096.D

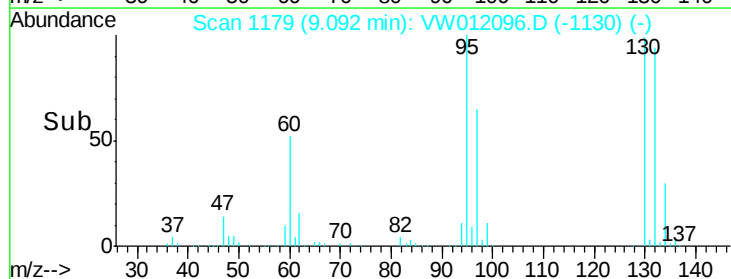
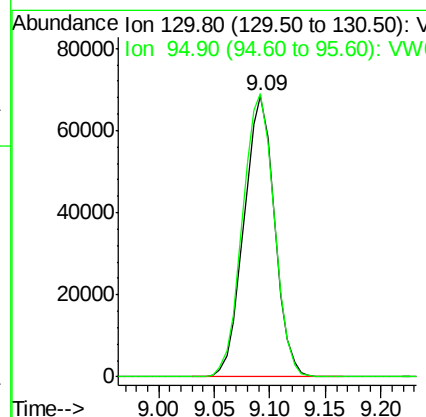
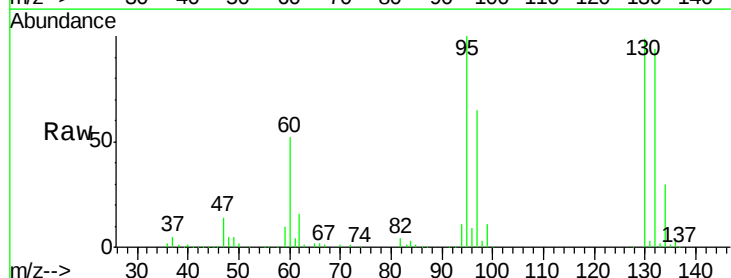
Acq: 22 Aug 2019 02:47

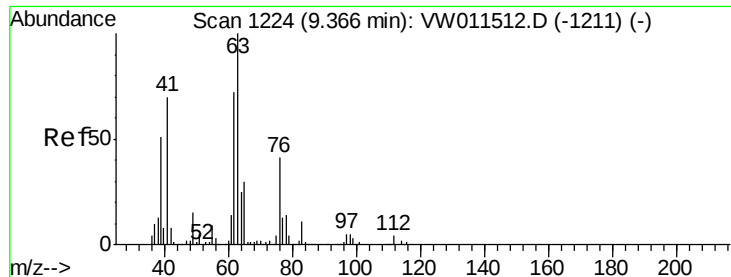
Tgt Ion: 130 Resp: 130331

Ion Ratio Lower Upper

130 100

95 100.6 0.0 204.8





#45

1,2-Dichloropropane

Concen: 55.539 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

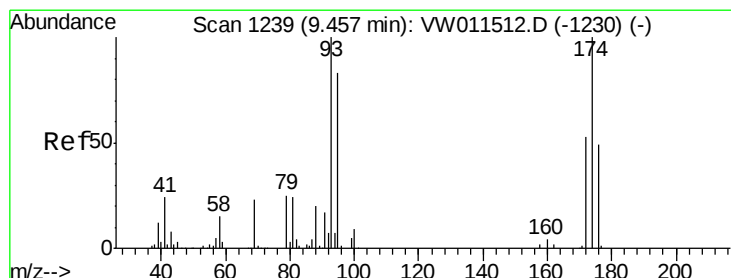
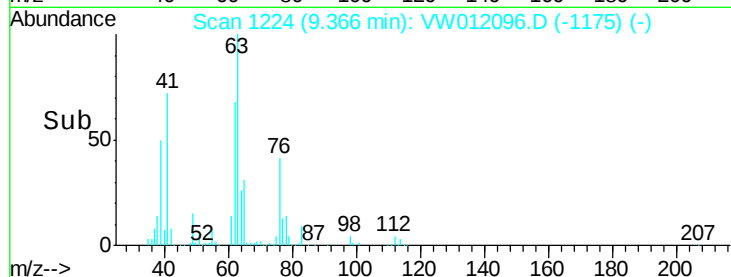
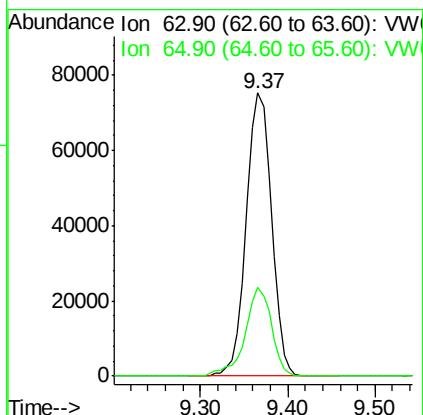
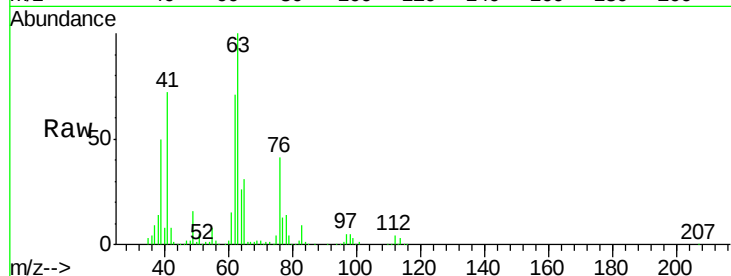
VSTDCCC050EC

Tot Ion: 63 Resp: 151832

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.4



#46

Dibromomethane

Concen: 55.439 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

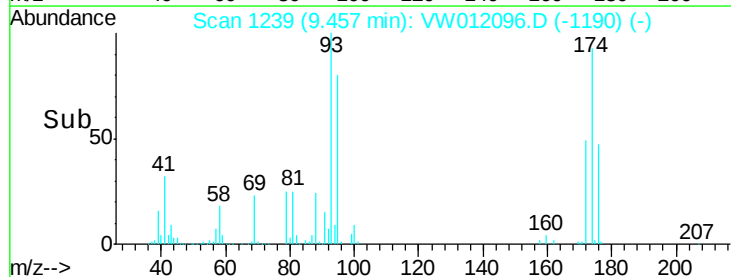
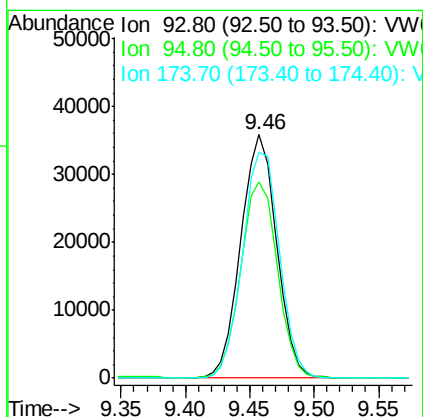
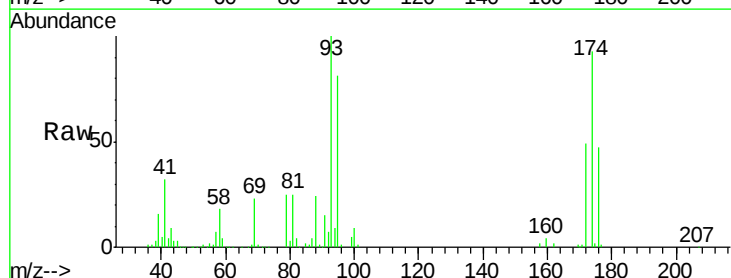
Tgt Ion: 93 Resp: 69174

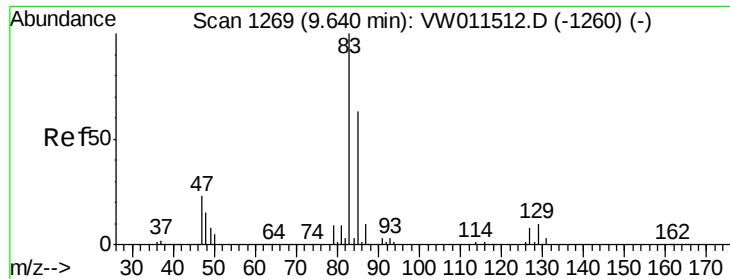
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.2

174 95.8 78.2 117.4





#47

Bromodichloromethane

Concen: 54.965 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

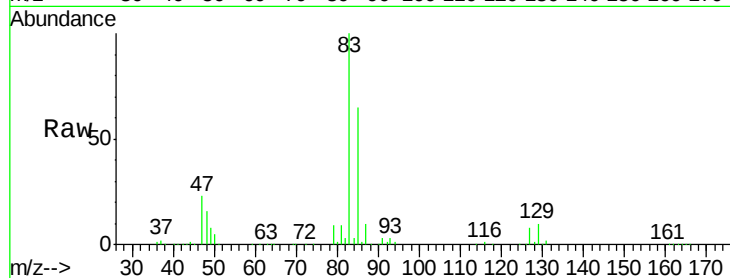
Tot Ion: 83 Resp: 179901

Ion Ratio Lower Upper

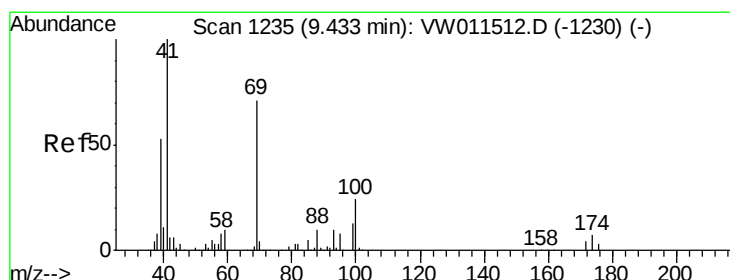
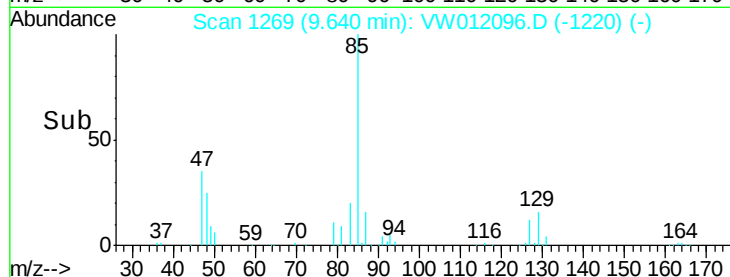
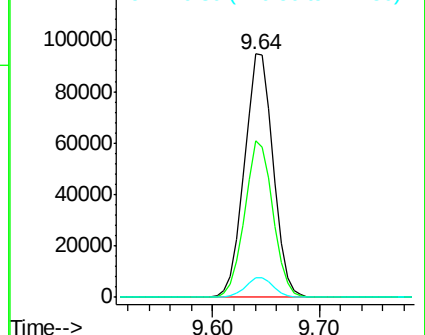
83 100

85 64.6 50.5 75.7

127 8.0 6.4 9.6



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



#48

Methyl methacrylate

Concen: 56.546 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

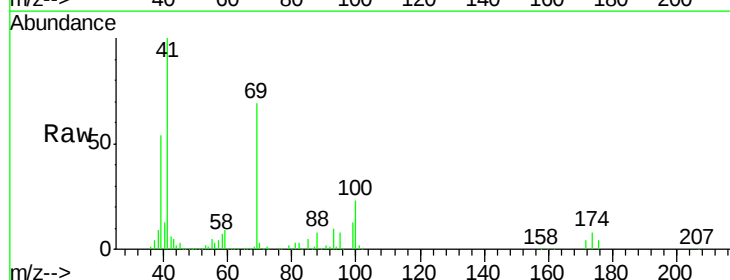
Tgt Ion: 41 Resp: 104831

Ion Ratio Lower Upper

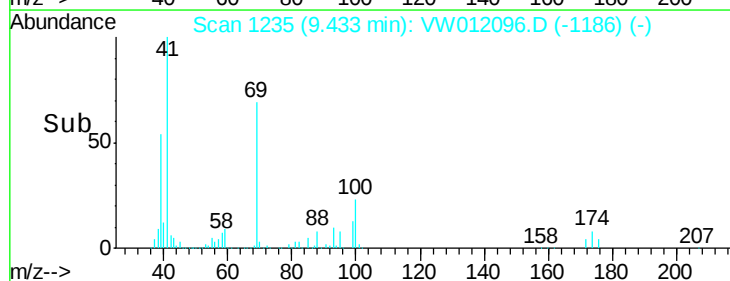
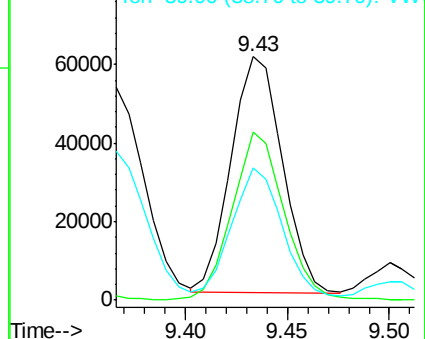
41 100

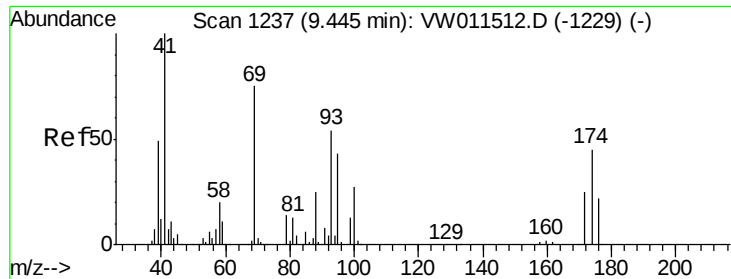
69 71.8 57.1 85.7

39 56.7 45.4 68.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

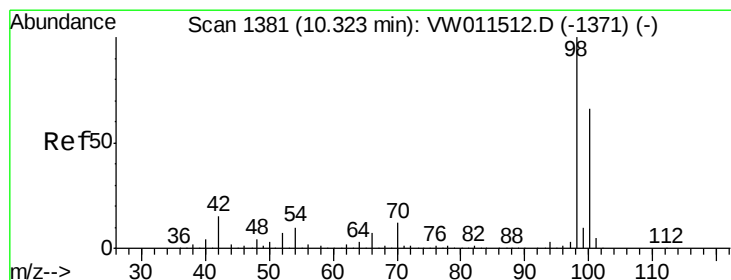
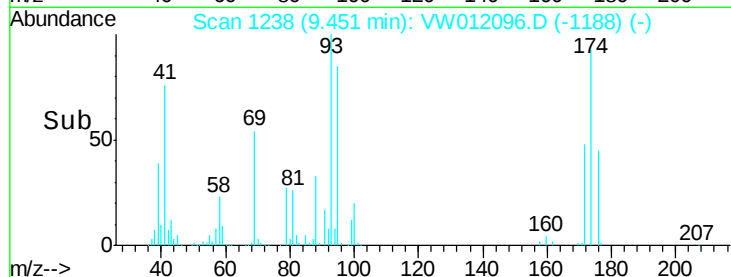
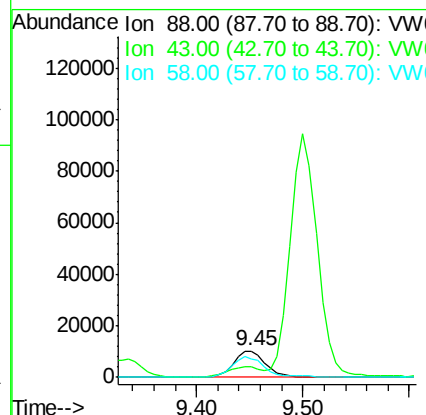
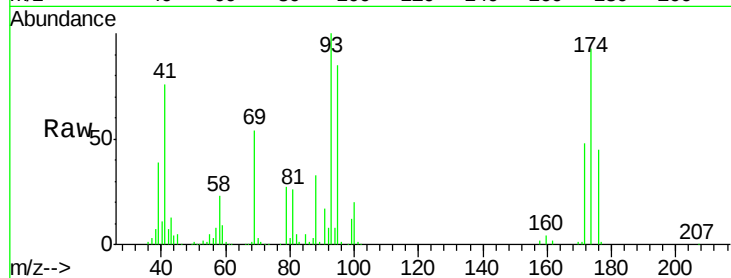




#49
1,4-Dioxane
Concen: 1196.854 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

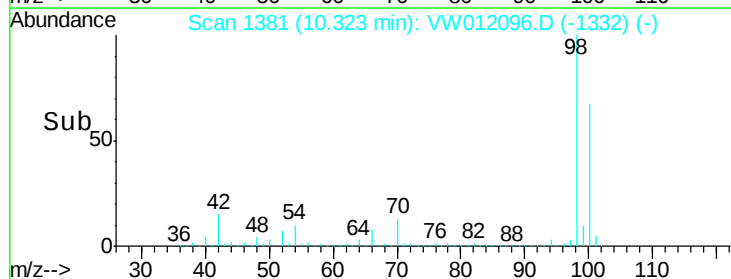
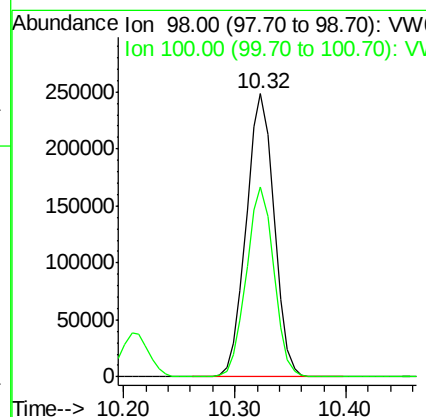
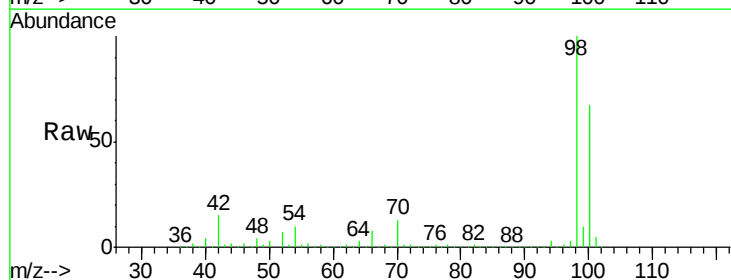
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

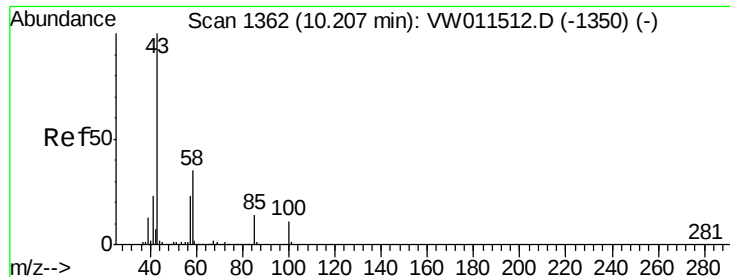
Tot Ion: 88 Resp: 21623
Ion Ratio Lower Upper
88 100
43 39.3 34.0 51.0
58 81.8 69.7 104.5



#50
Toluene-d8
Concen: 53.746 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 98 Resp: 433065
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 283.210 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

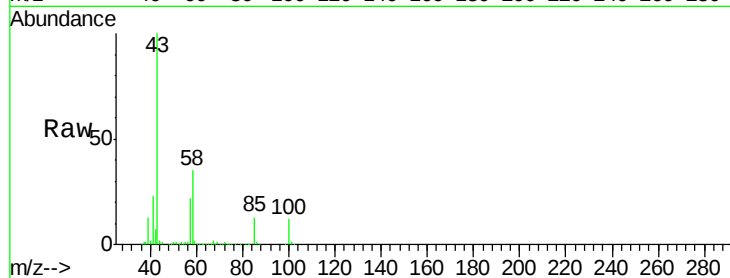
VSTDCCC050EC

Tot Ion: 43 Resp: 568537

Ion Ratio Lower Upper

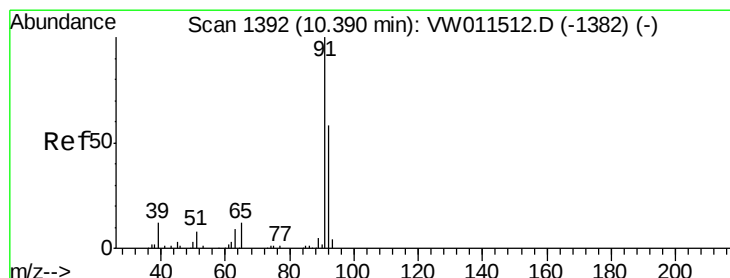
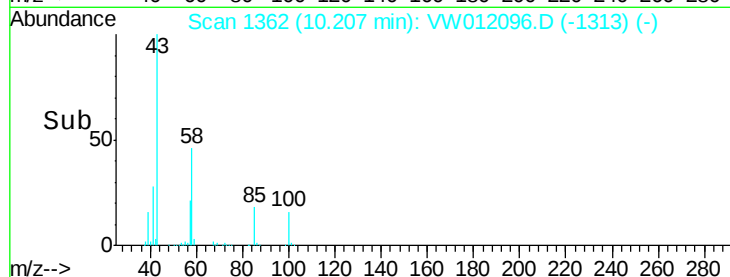
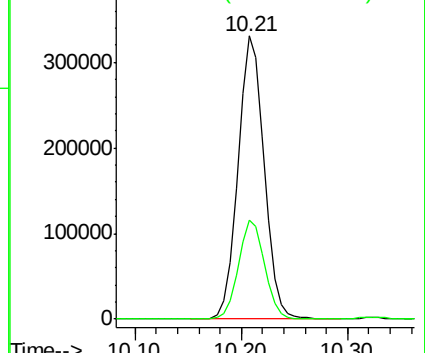
43 100

58 35.2 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 54.054 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012096.D

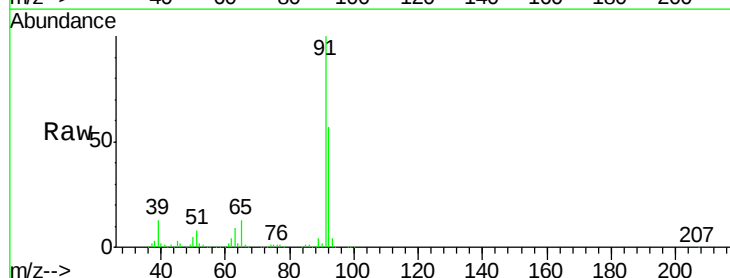
Acq: 22 Aug 2019 02:47

Tgt Ion: 92 Resp: 333518

Ion Ratio Lower Upper

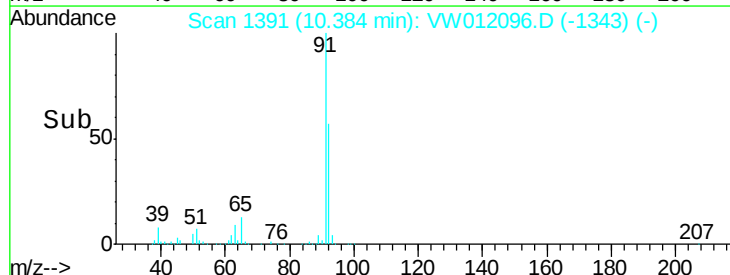
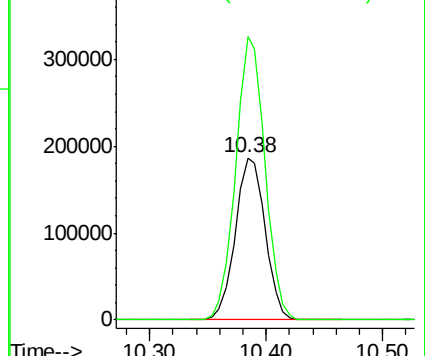
92 100

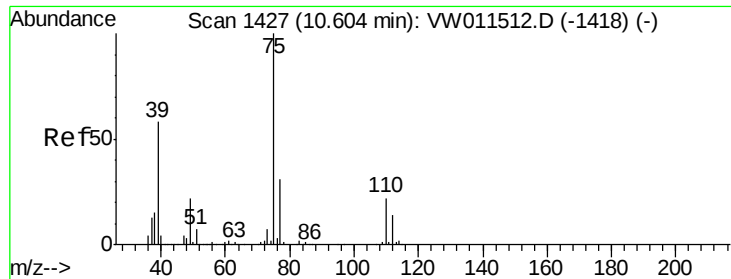
91 171.0 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 52.527 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

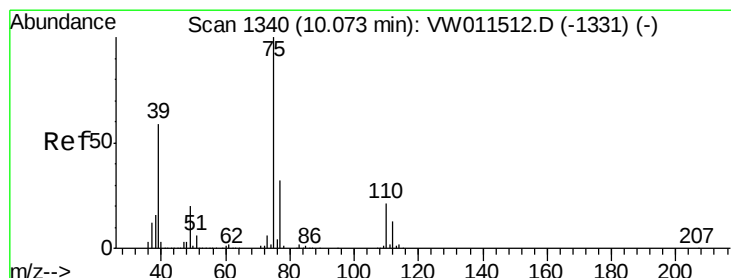
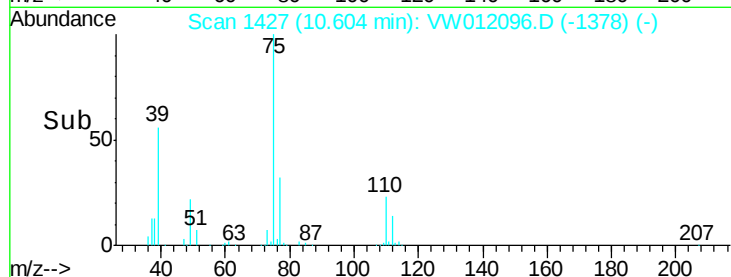
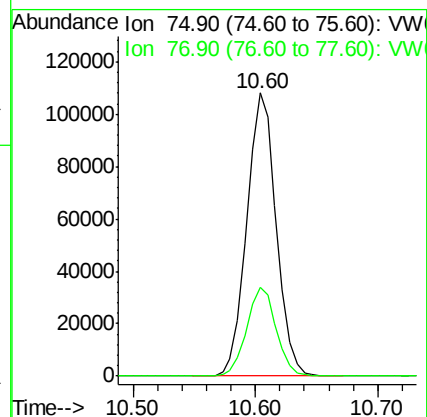
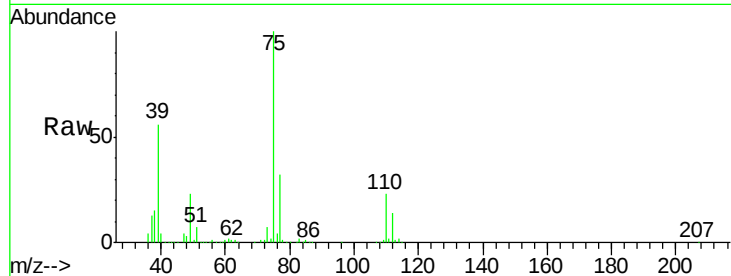
VSTDCCC050EC

Tot Ion: 75 Resp: 179590

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.740 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

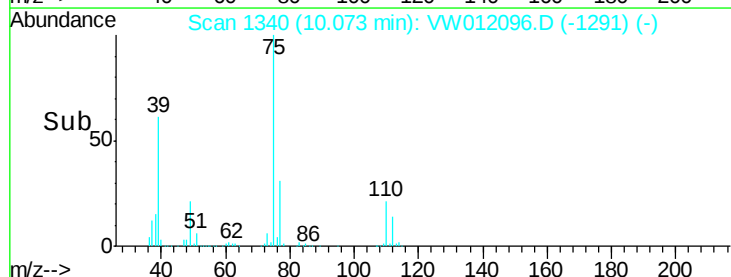
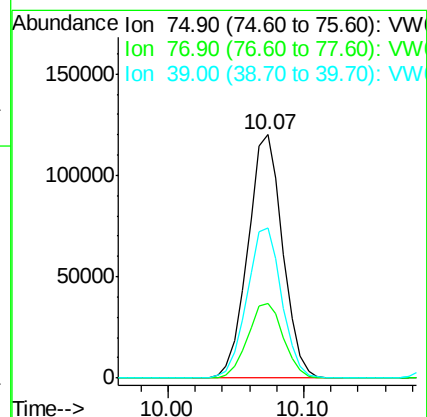
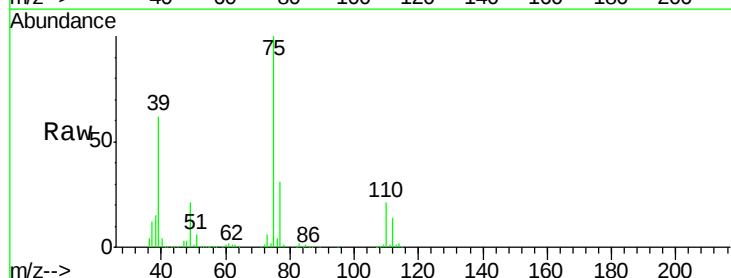
Tgt Ion: 75 Resp: 214396

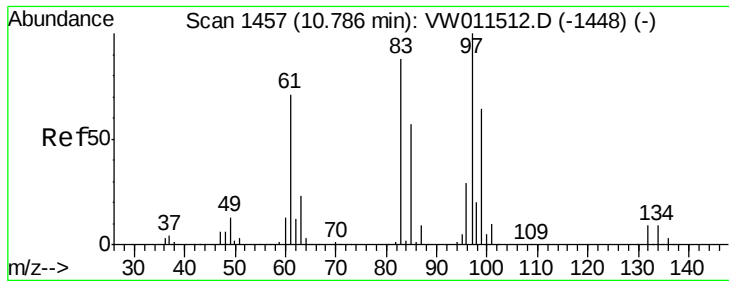
Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4

39 61.4 47.0 70.4

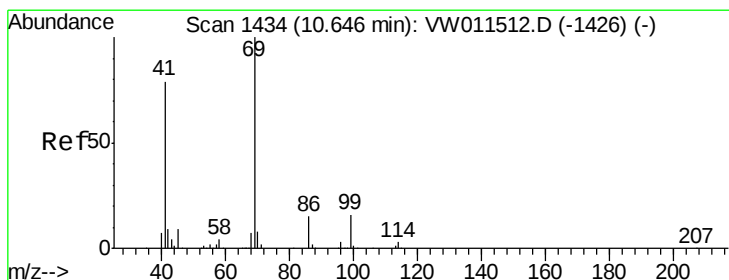
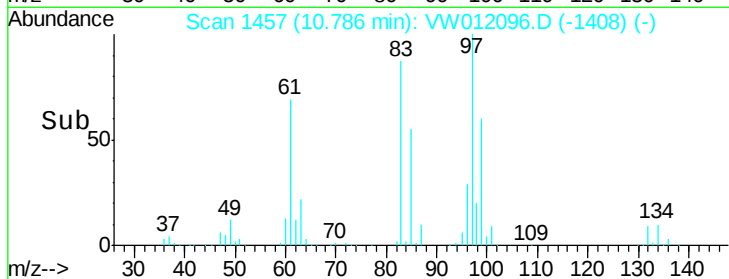
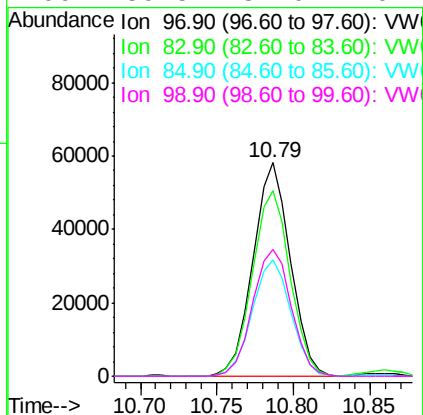
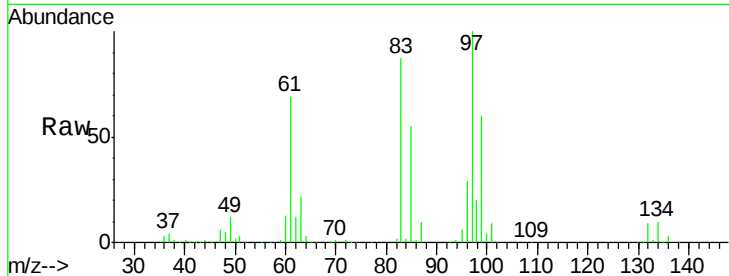




#55
 1,1,2-Trichloroethane
 Concen: 55.728 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

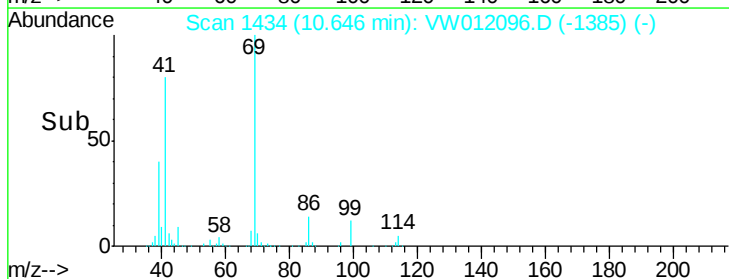
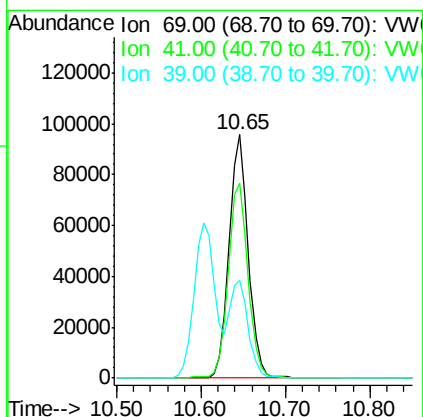
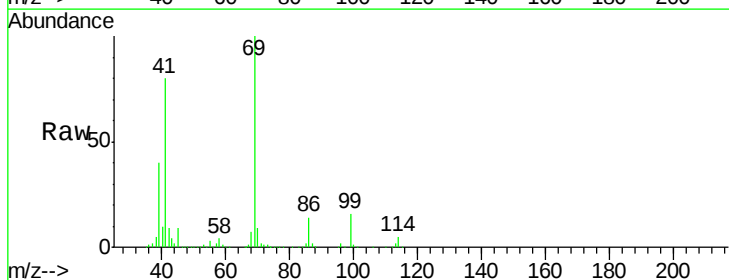
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

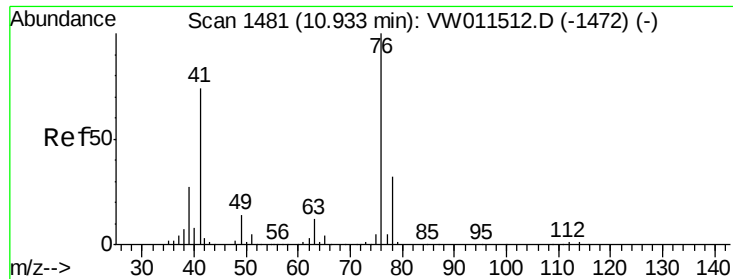
Tot Ion:	97	Resp:	98659
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.5	105.7
85	54.8	45.8	68.6
99	59.5	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 57.409 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion:	69	Resp:	148724
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.6	99.8
39	38.0	30.3	45.5

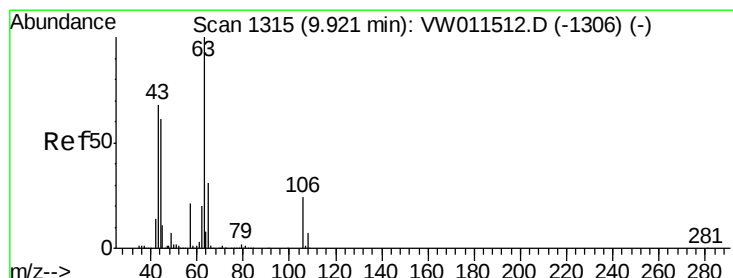
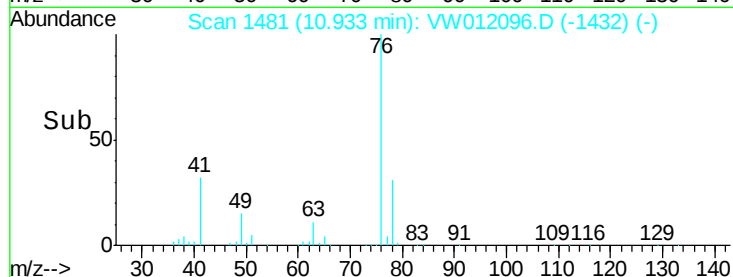
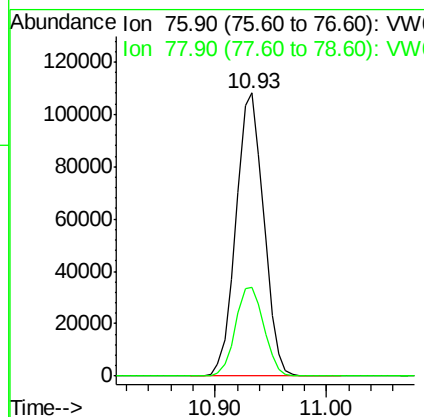
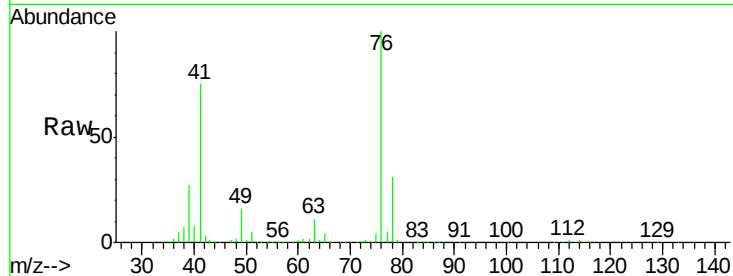




#57
 1,3-Dichloropropane
 Concen: 55.721 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

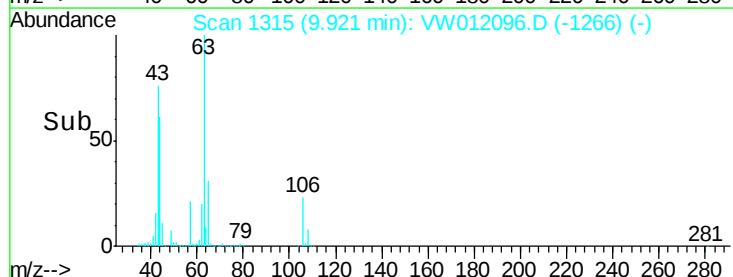
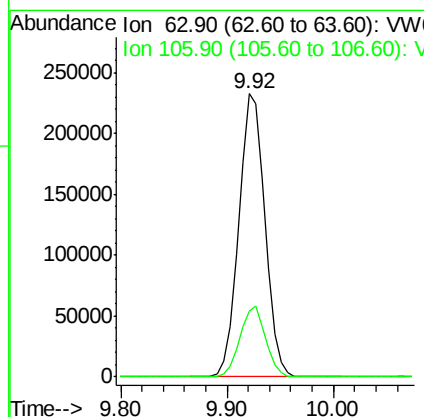
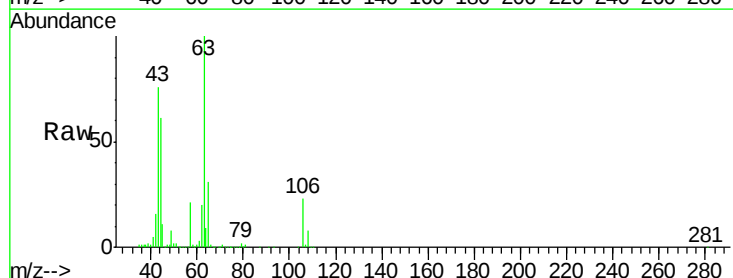
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

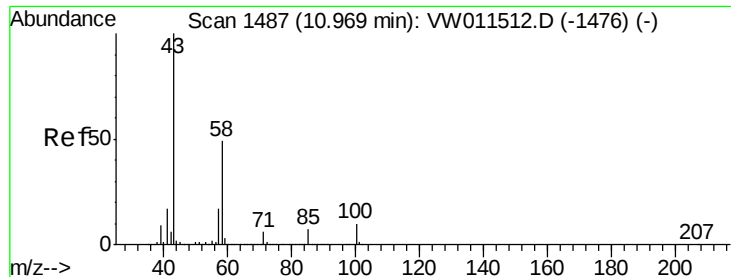
Tot Ion: 76 Resp: 186628
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 340.827 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 63 Resp: 400894
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





#59

2-Hexanone

Concen: 267.356 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

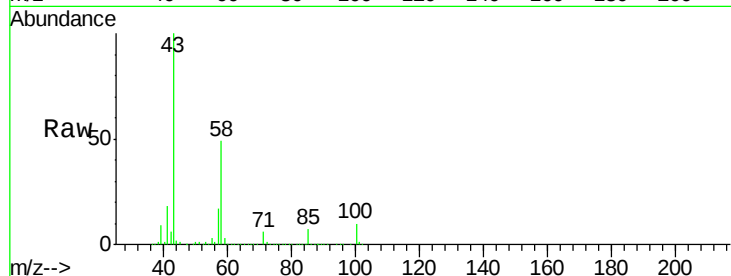
VSTDCCC050EC

Tot Ion: 43 Resp: 378952

Ion Ratio Lower Upper

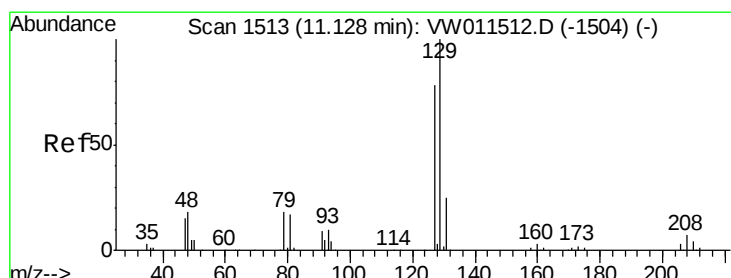
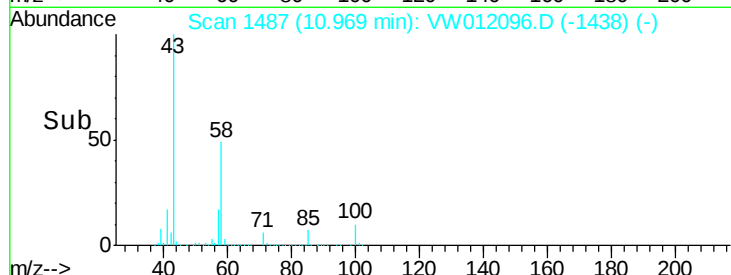
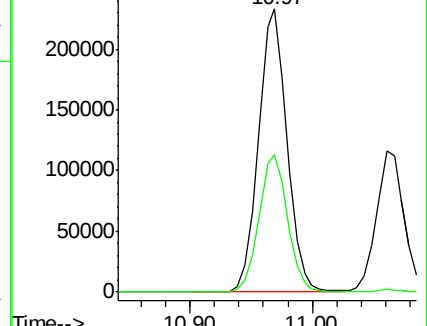
43 100

58 49.0 24.3 72.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 56.233 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012096.D

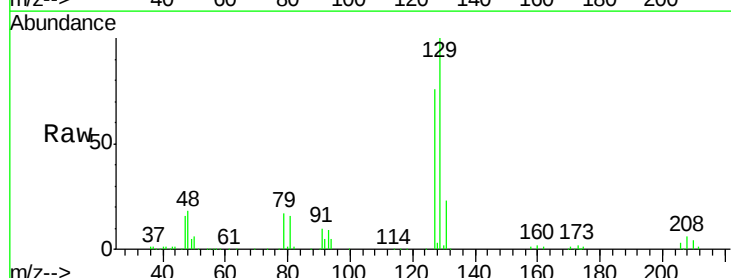
Acq: 22 Aug 2019 02:47

Tgt Ion: 129 Resp: 110506

Ion Ratio Lower Upper

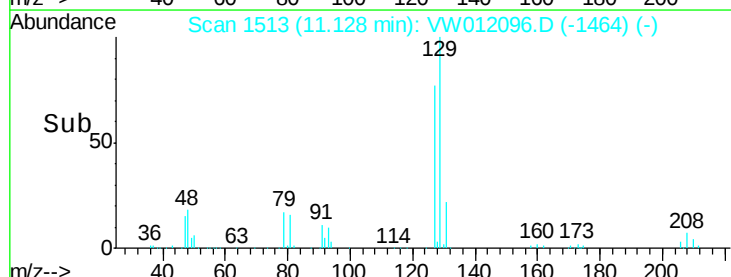
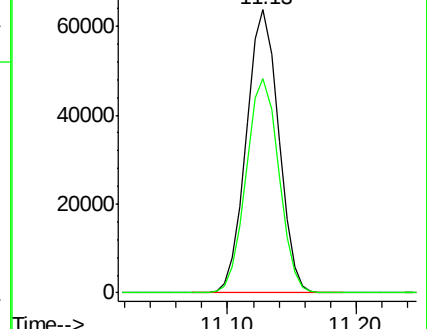
129 100

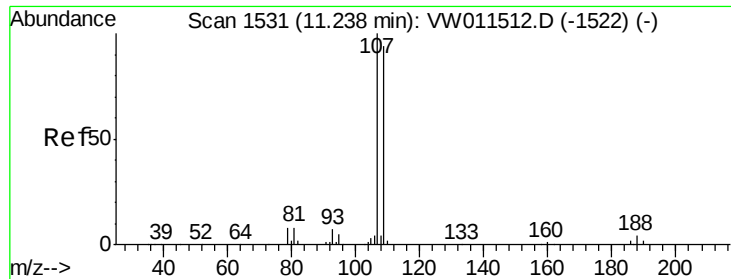
127 76.6 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

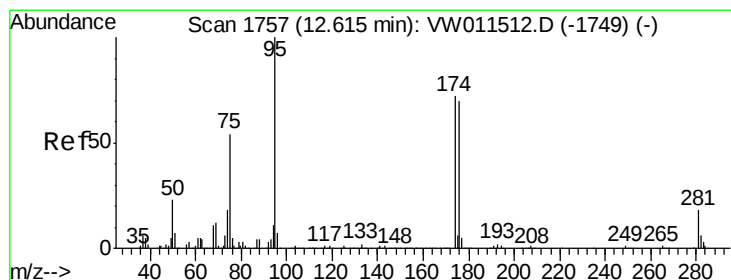
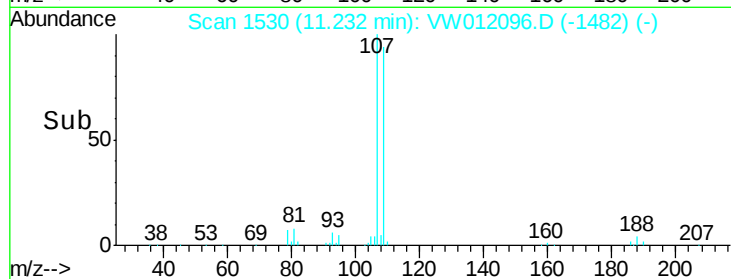
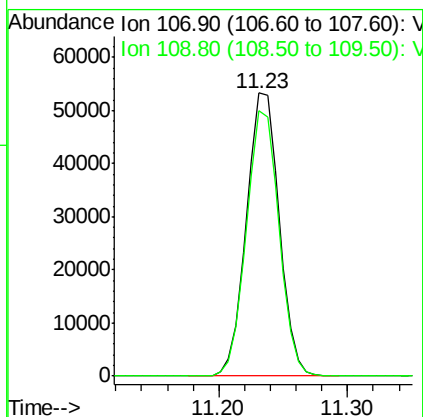
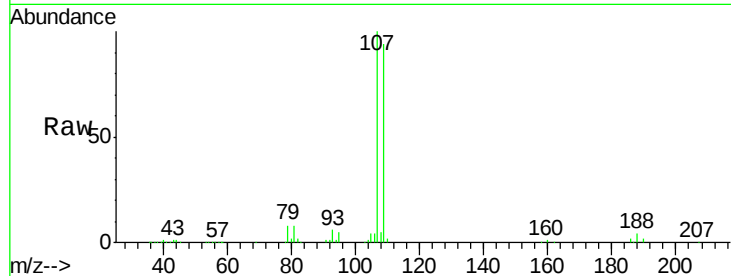




#61
 1,2-Dibromoethane
 Concen: 55.839 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

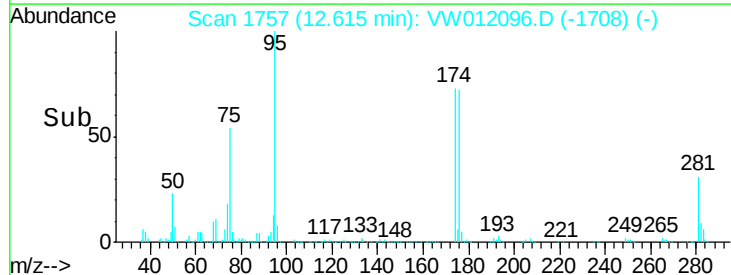
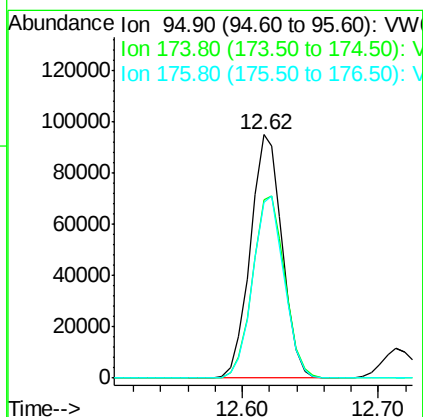
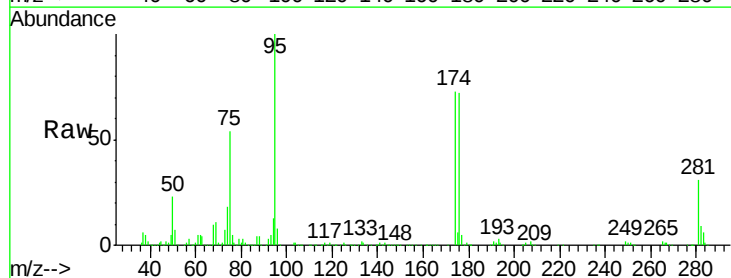
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

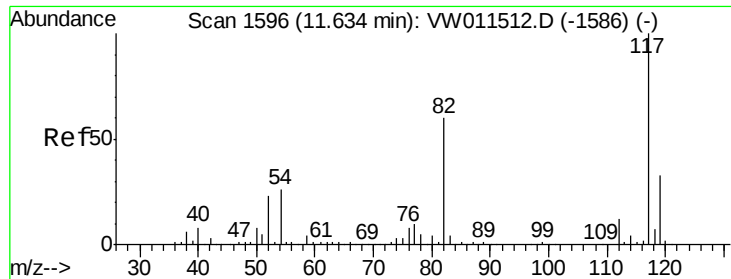
Tot Ion:107 Resp: 93550
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.164 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion: 95 Resp: 155597
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 150.2
 176 74.1 0.0 144.4

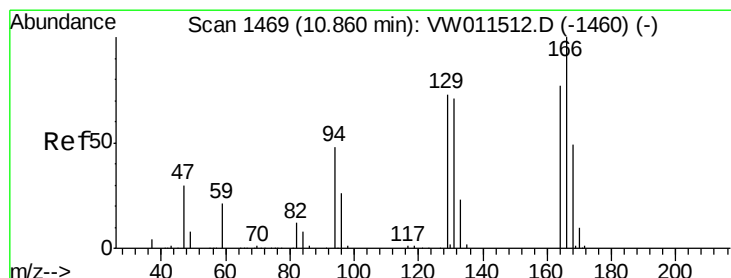
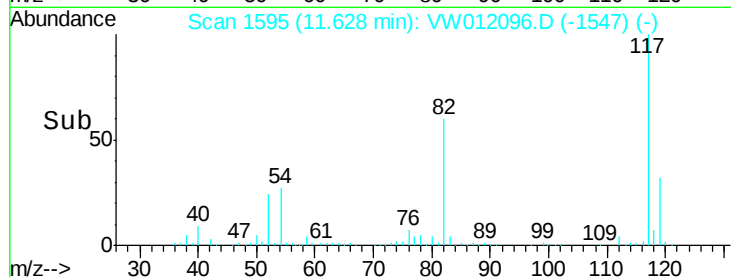
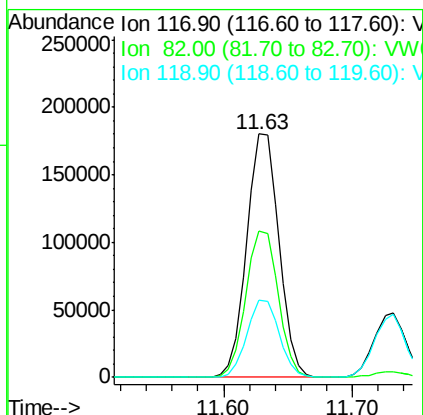
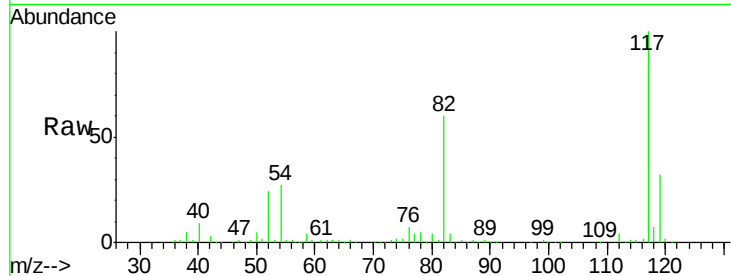




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

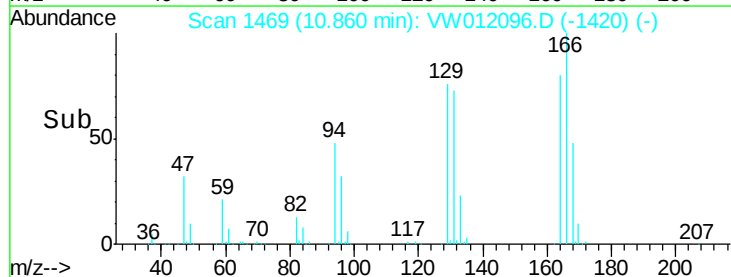
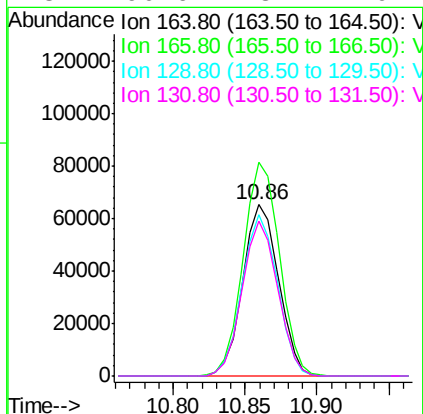
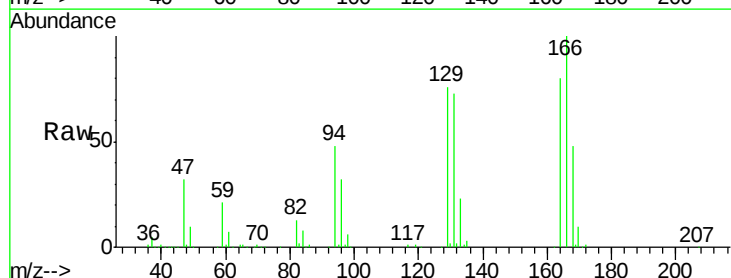
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

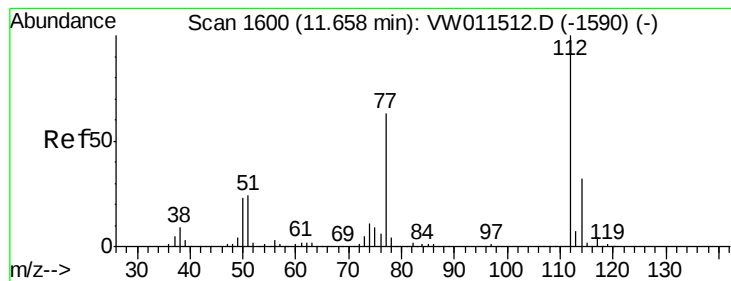
Tot Ion:117 Resp: 310686
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 31.7 26.2 39.2



#64
Tetrachloroethene
Concen: 55.418 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion:164 Resp: 112106
Ion Ratio Lower Upper
164 100
166 124.9 103.5 155.3
129 94.3 75.2 112.8
131 90.6 73.4 110.2





#65

Chlorobenzene

Concen: 54.174 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

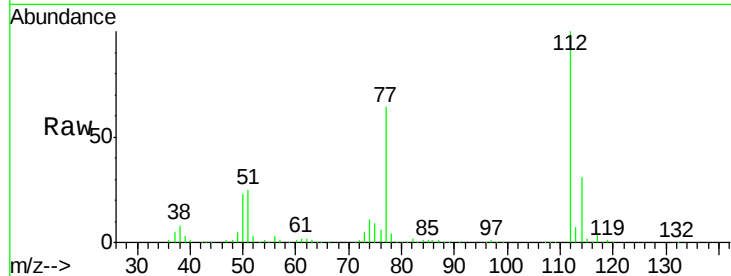
VSTDCCC050EC

Tot Ion:112 Resp: 338383

Ion Ratio Lower Upper

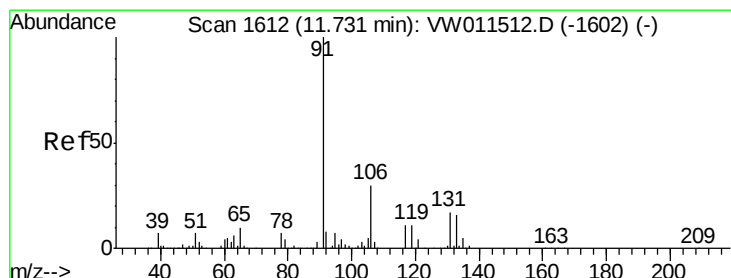
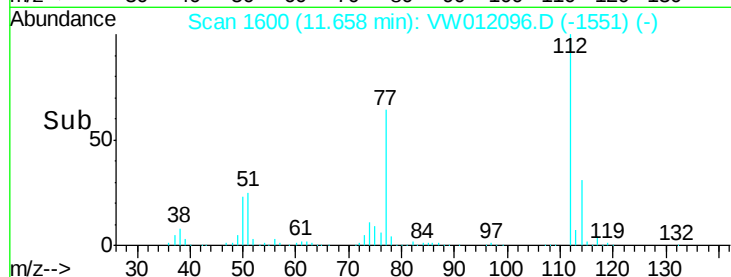
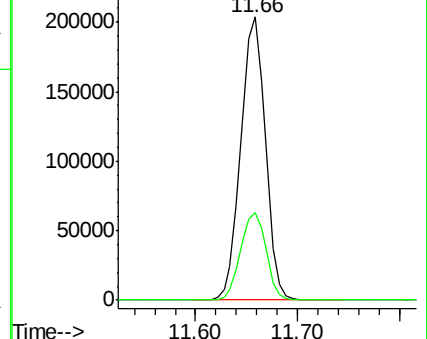
112 100

114 30.8 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.405 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

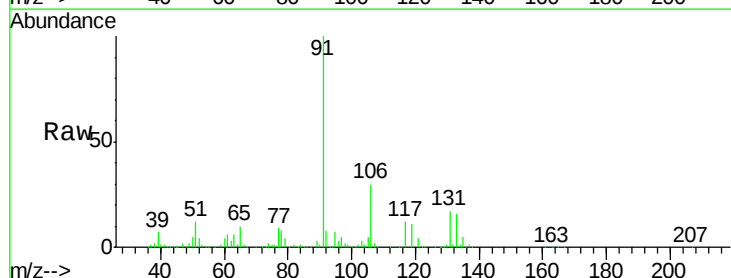
Tgt Ion:131 Resp: 120546

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

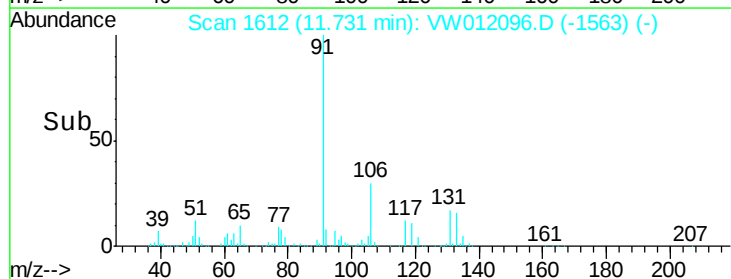
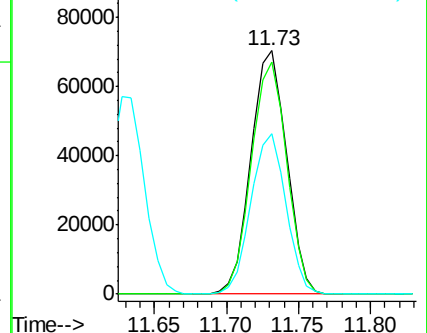
119 64.8 32.3 96.9

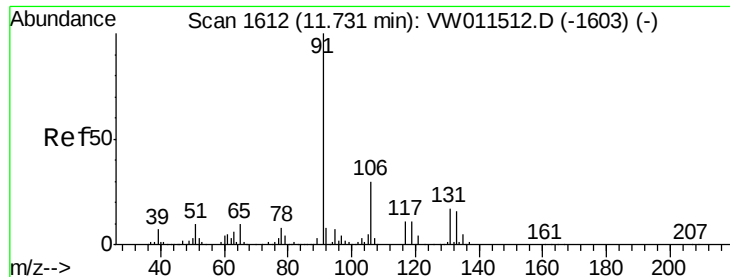


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

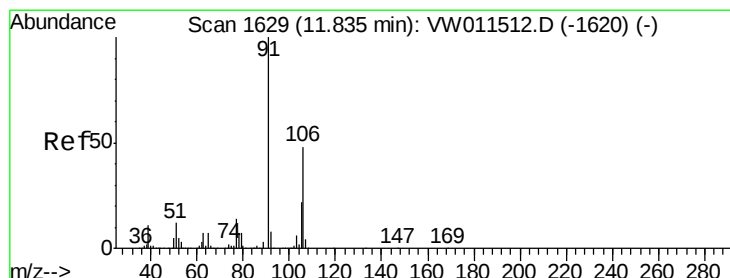
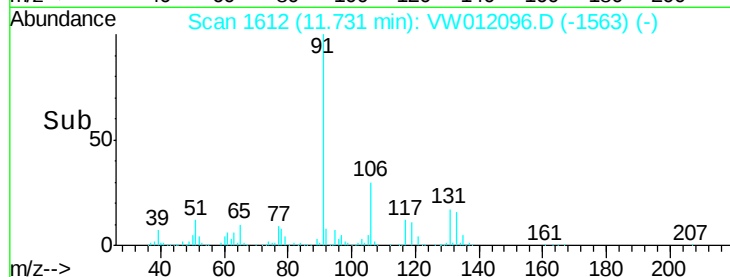
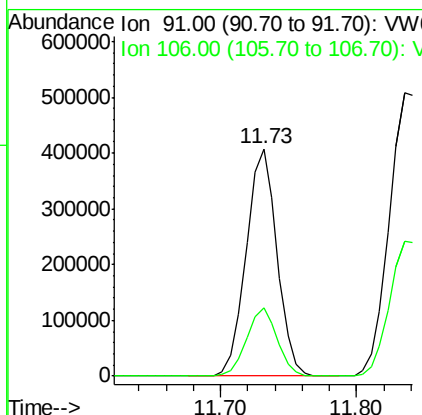
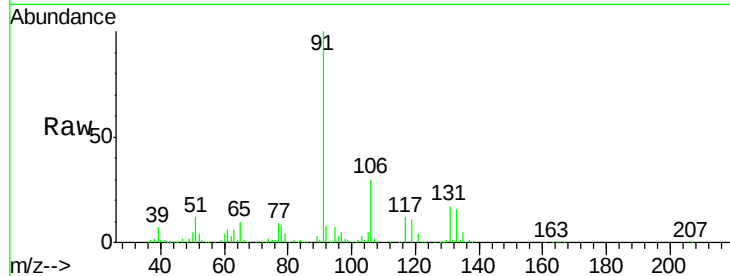




#67
Ethyl Benzene
Concen: 54.404 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

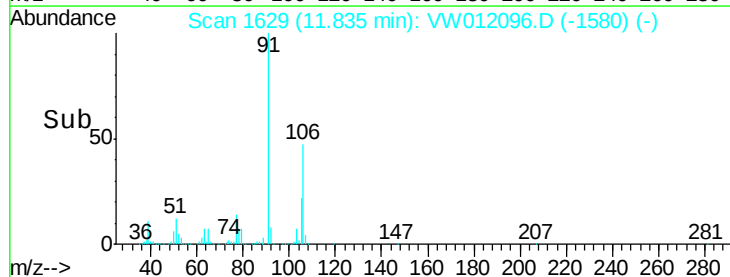
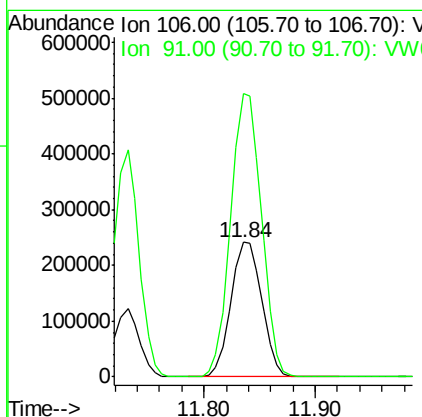
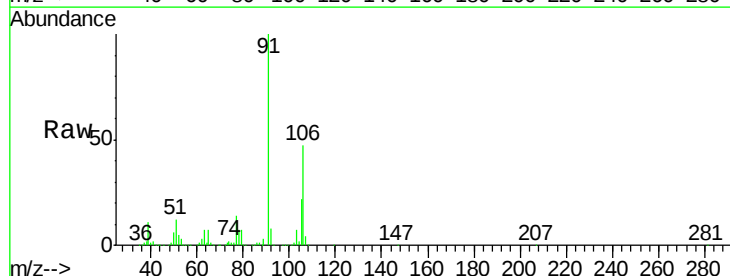
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

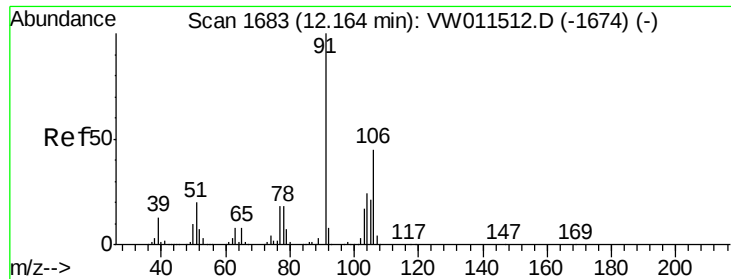
Tot Ion: 91 Resp: 647201
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6



#68
m/p-Xylenes
Concen: 107.312 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 106 Resp: 464264
Ion Ratio Lower Upper
106 100
91 209.8 168.2 252.2

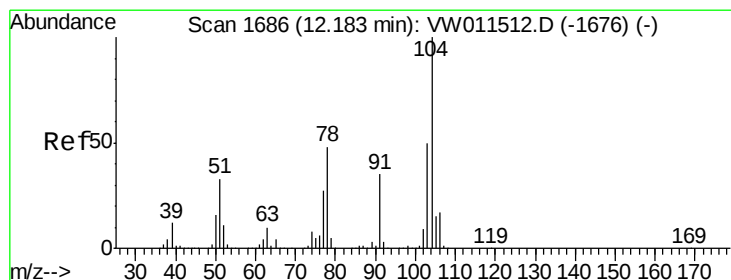
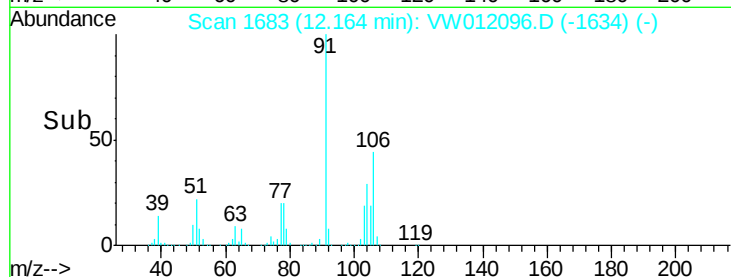
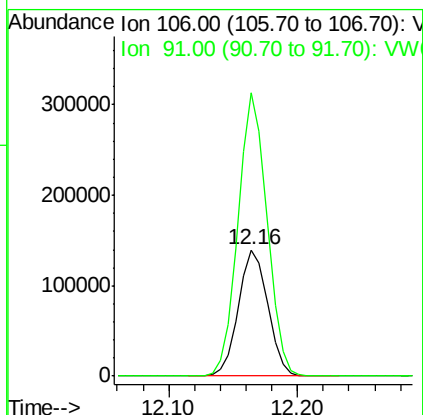
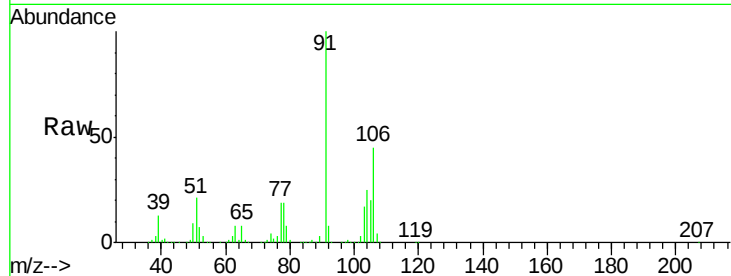




#69
o-Xylene
Concen: 54.847 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

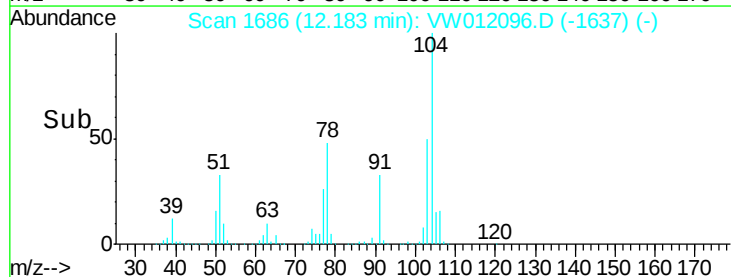
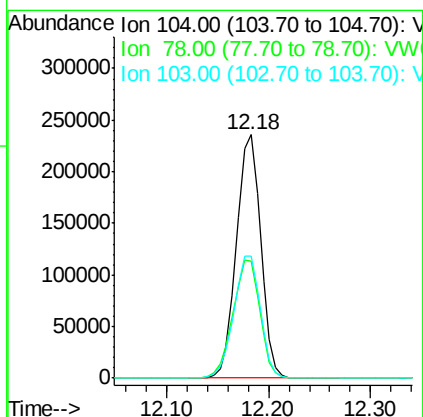
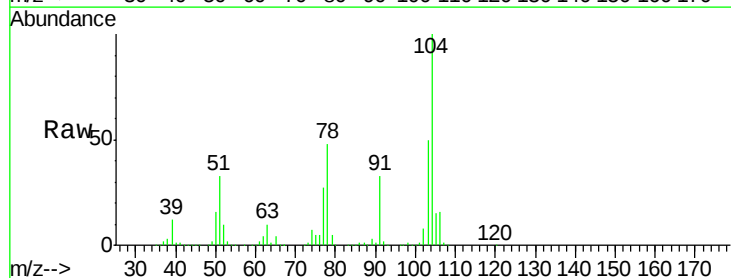
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

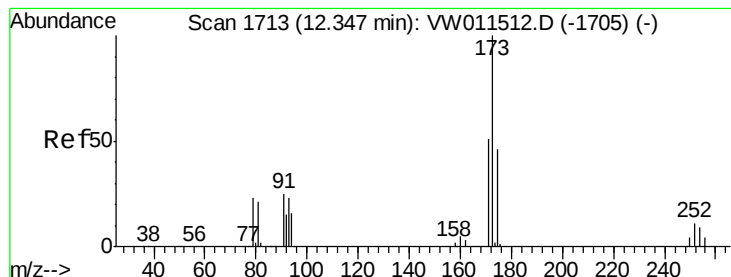
Tot Ion:106 Resp: 220498
Ion Ratio Lower Upper
106 100
91 221.3 110.5 331.5



#70
Styrene
Concen: 55.747 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion:104 Resp: 387503
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 54.7 43.9 65.9





#71

Bromoform

Concen: 55.565 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

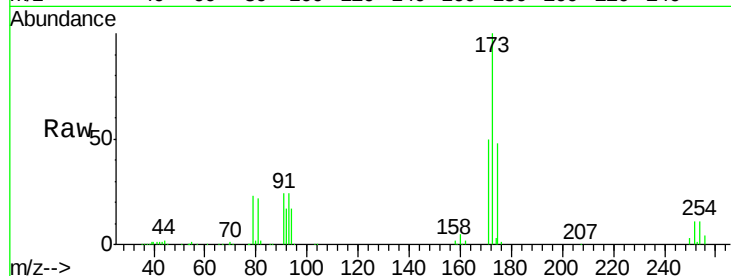
Tot Ion:173 Resp: 61639

Ion Ratio Lower Upper

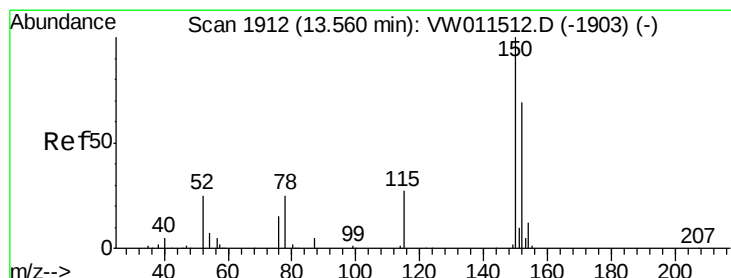
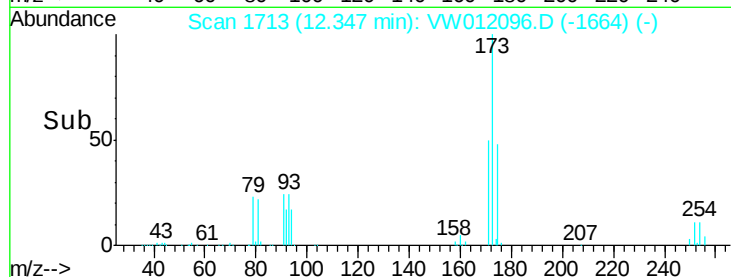
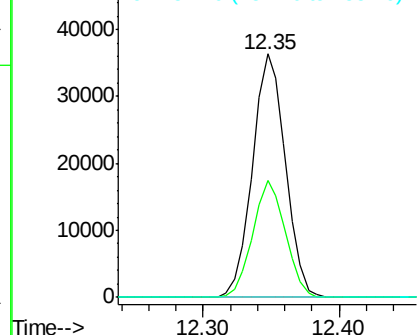
173 100

175 47.6 23.6 71.0

254 0.2 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: VW012096.D

Acq: 22 Aug 2019 02:47

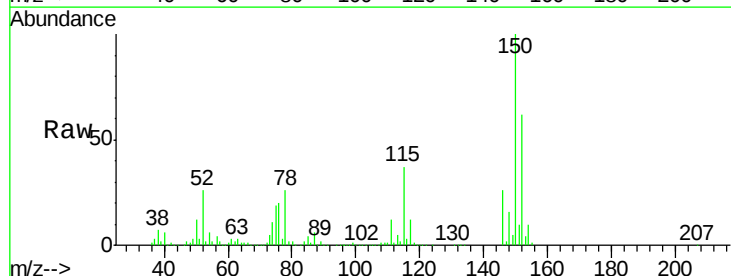
Tgt Ion:152 Resp: 148658

Ion Ratio Lower Upper

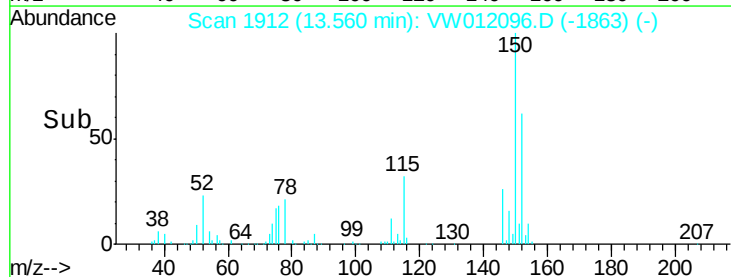
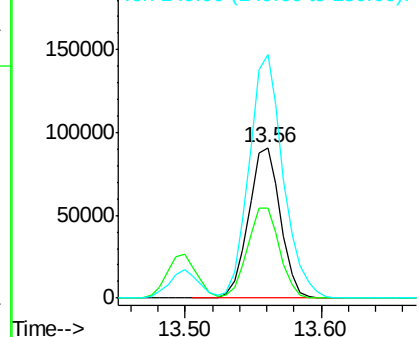
152 100

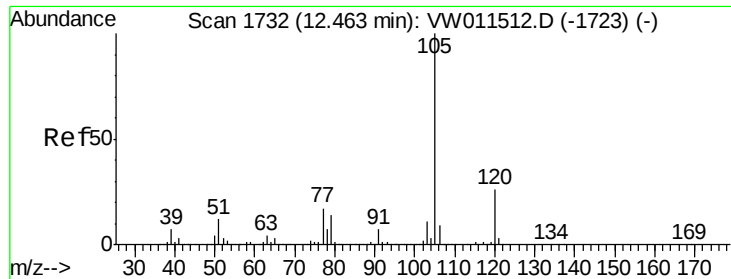
115 60.6 30.5 91.5

150 173.3 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: 54.397 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

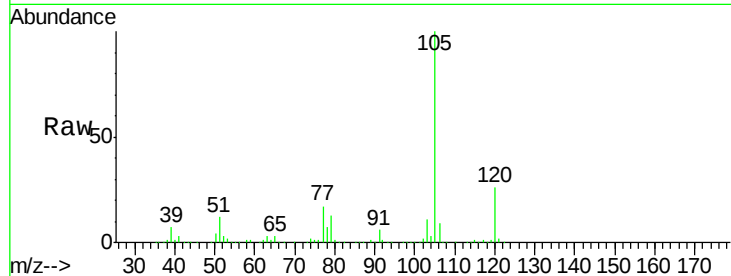
VSTDCCC050EC

Tot Ion:105 Resp: 603279

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

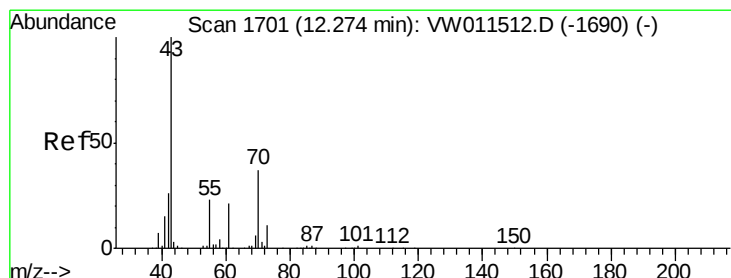
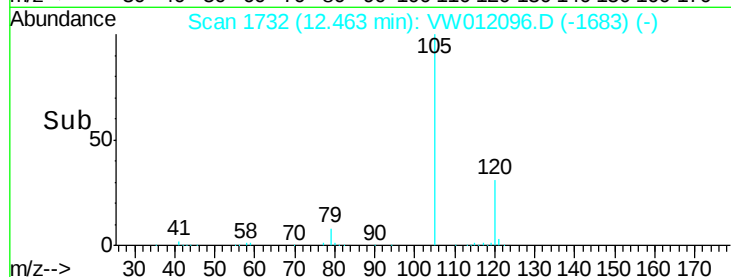
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 56.823 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Tgt Ion: 43 Resp: 197294

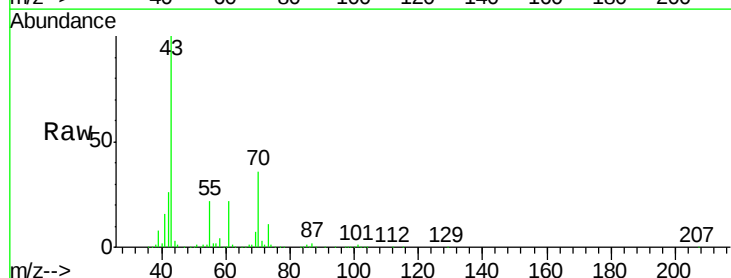
Ion Ratio Lower Upper

43 100

70 35.7 28.6 43.0

55 22.7 17.8 26.8

61 21.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

150000

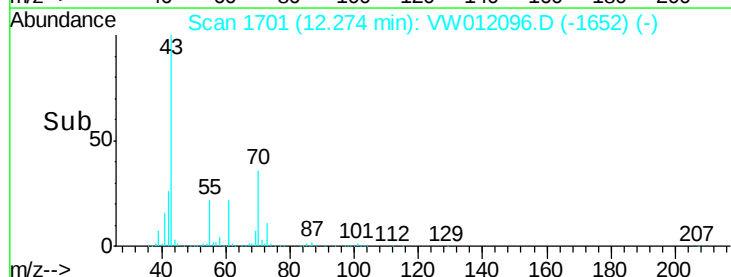
100000

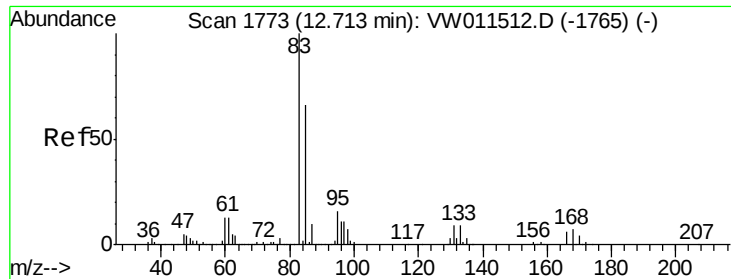
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 56.151 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

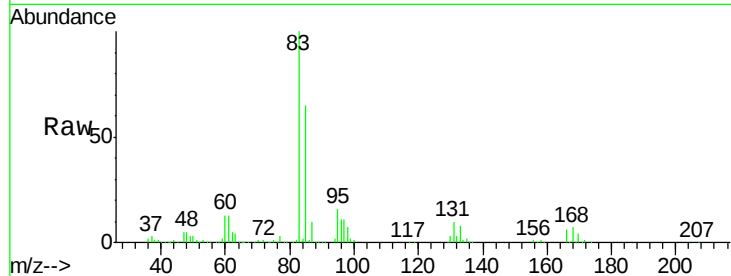
Tot Ion: 83 Resp: 117134

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

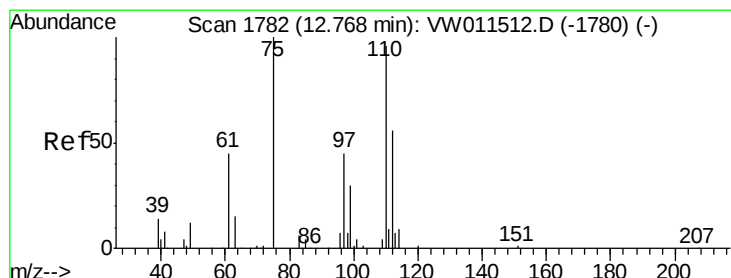
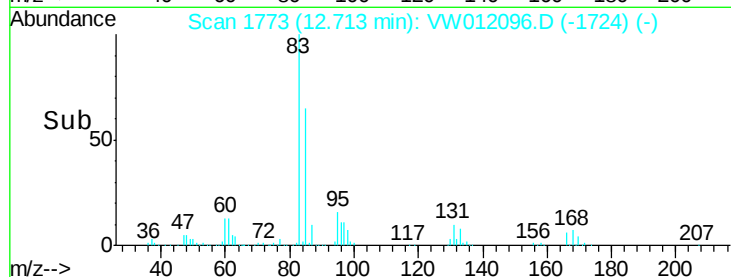
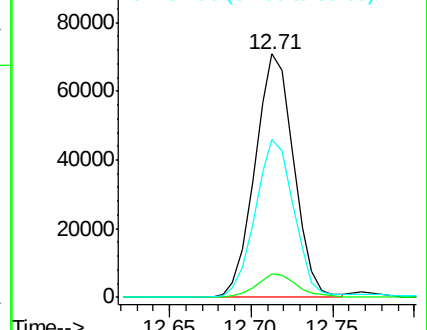
85 64.9 31.8 95.4



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: 51.900 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012096.D

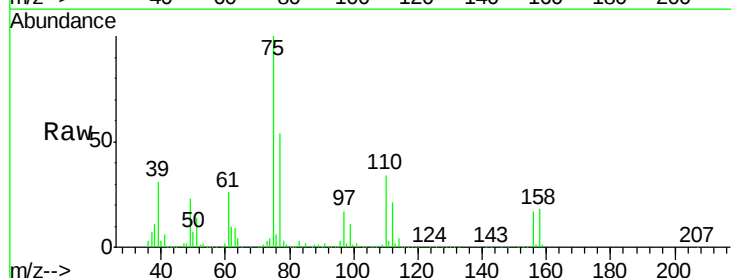
Acq: 22 Aug 2019 02:47

Tgt Ion: 75 Resp: 81638

Ion Ratio Lower Upper

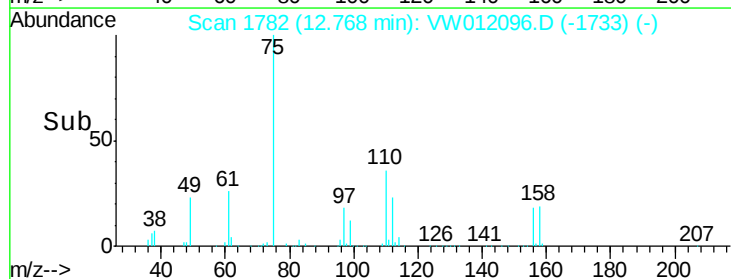
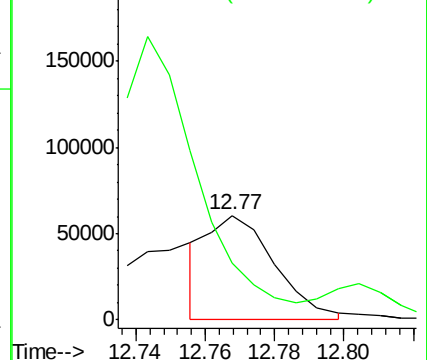
75 100

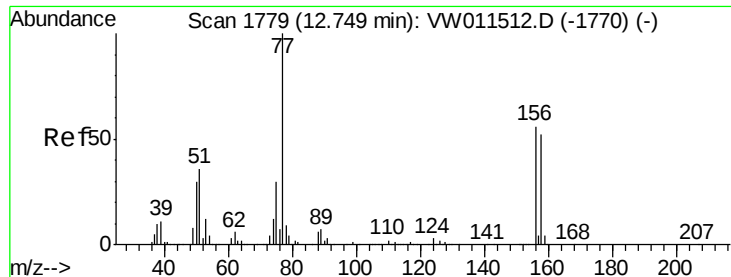
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.740 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

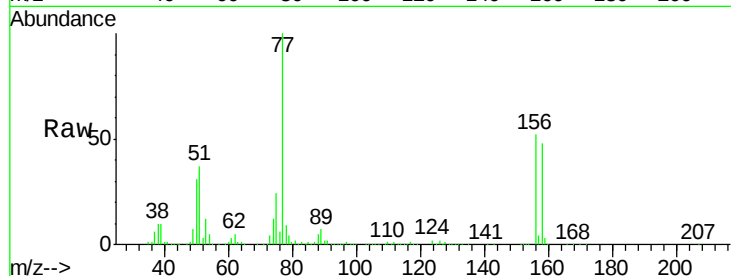
Tot Ion:156 Resp: 136634

Ion Ratio Lower Upper

156 100

77 210.2 106.5 319.4

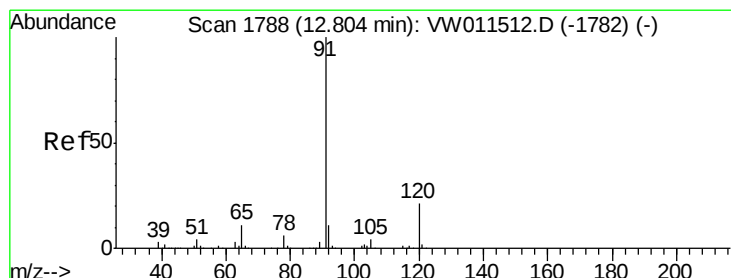
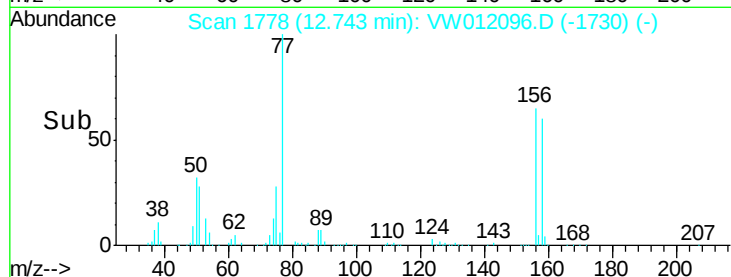
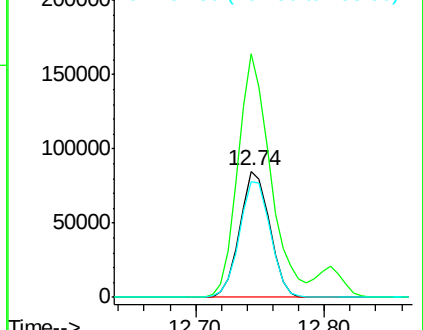
158 95.0 48.0 144.2



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: 53.962 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012096.D

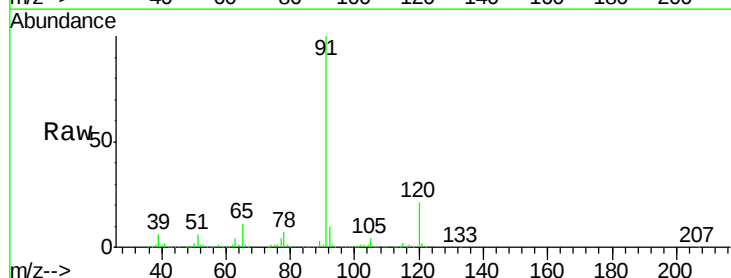
Acq: 22 Aug 2019 02:47

Tgt Ion: 91 Resp: 728320

Ion Ratio Lower Upper

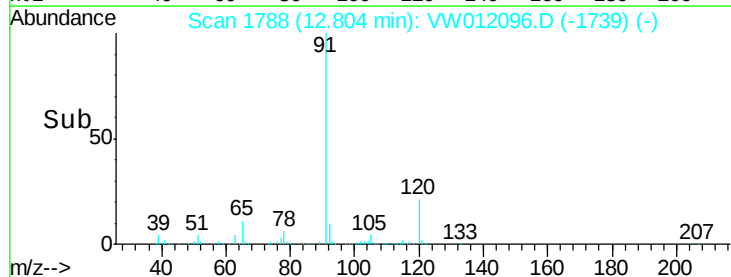
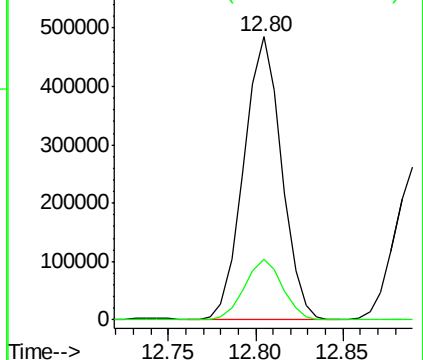
91 100

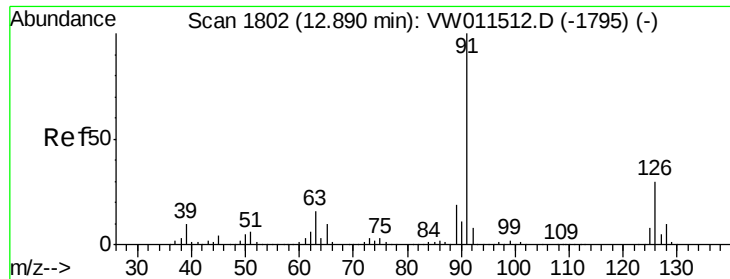
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.640 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

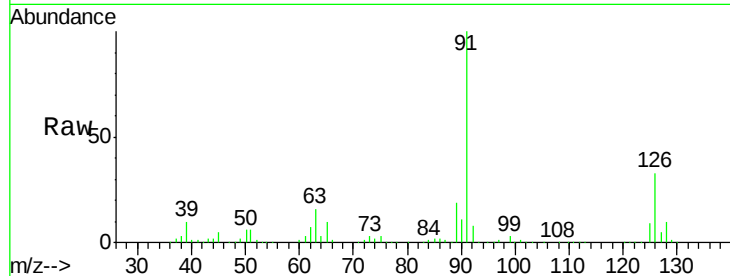
VSTDCCC050EC

Tot Ion: 91 Resp: 417080

Ion Ratio Lower Upper

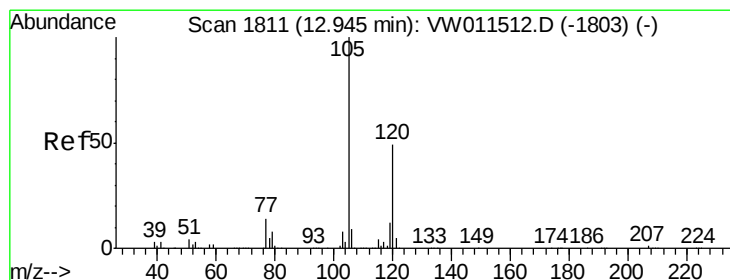
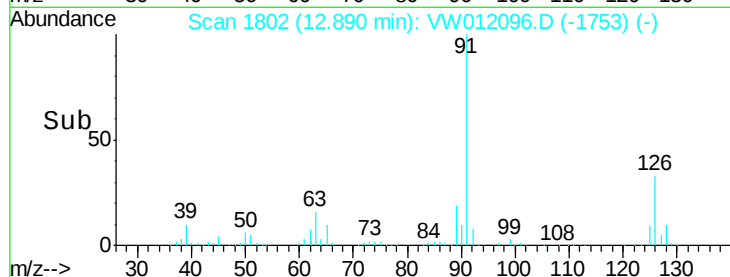
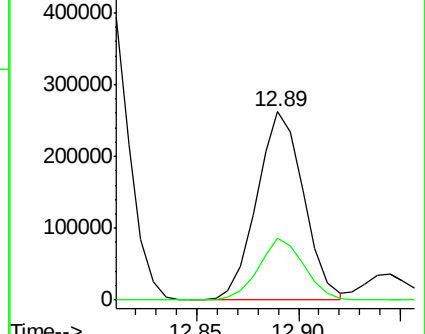
91 100

126 32.1 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.586 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012096.D

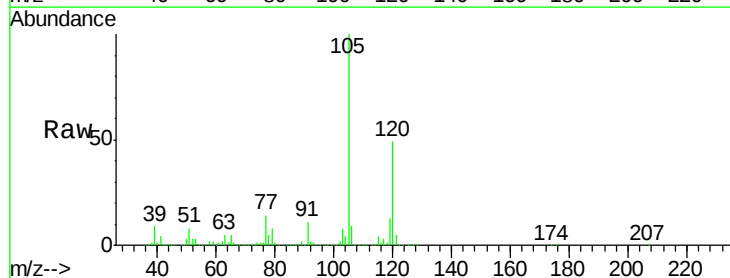
Acq: 22 Aug 2019 02:47

Tgt Ion:105 Resp: 507452

Ion Ratio Lower Upper

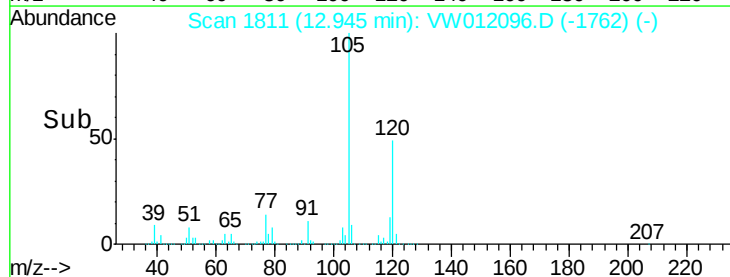
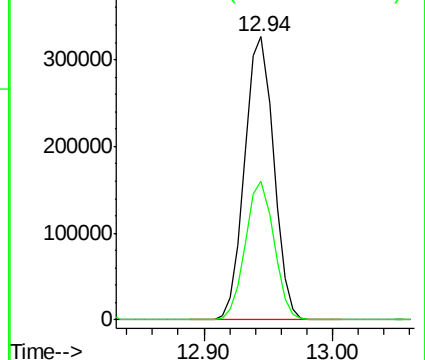
105 100

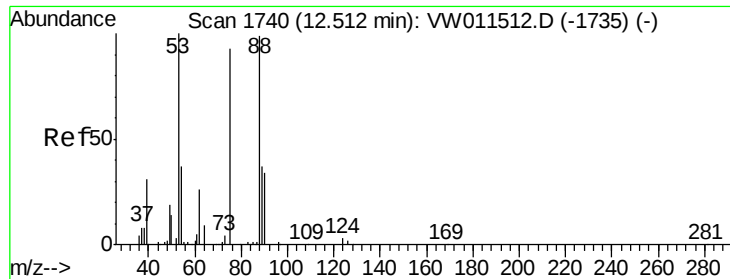
120 48.3 24.1 72.3



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: 51.831 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

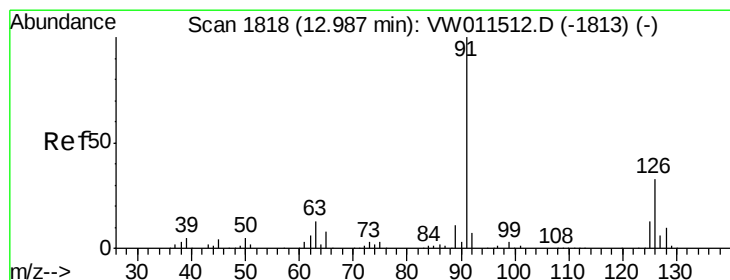
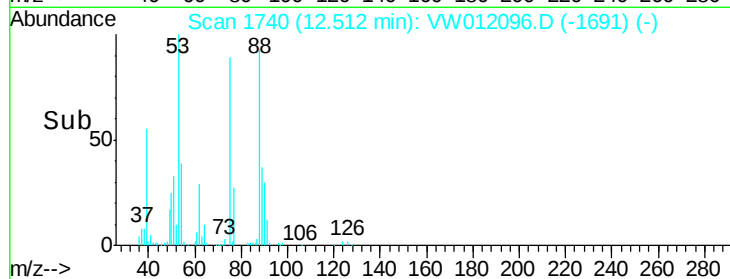
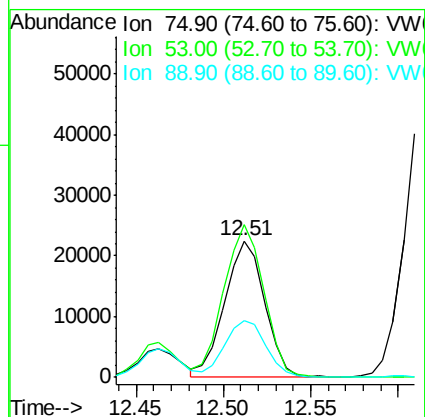
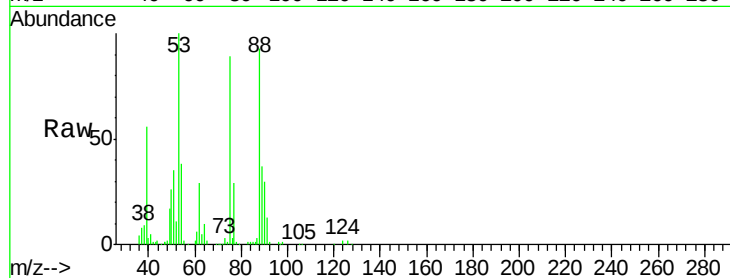
Tot Ion: 75 Resp: 35376

Ion Ratio Lower Upper

75 100

53 113.2 88.0 132.0

89 42.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 53.940 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012096.D

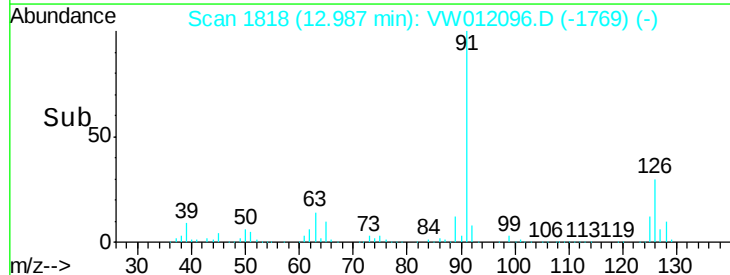
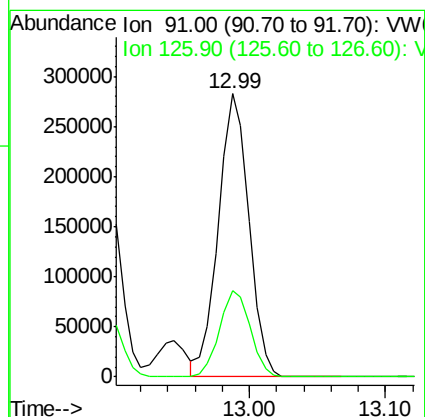
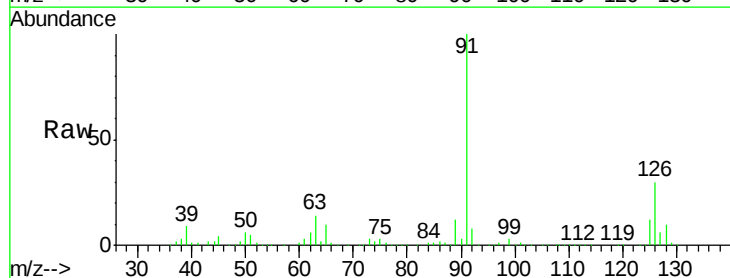
Acq: 22 Aug 2019 02:47

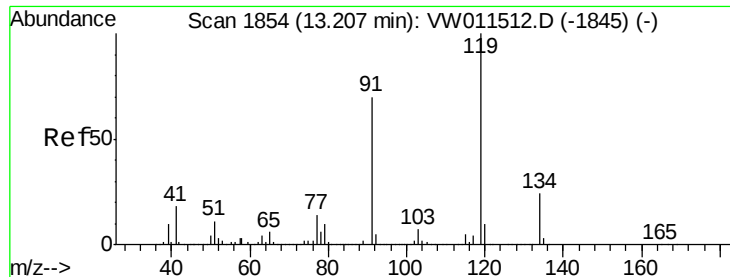
Tgt Ion: 91 Resp: 440051

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.8

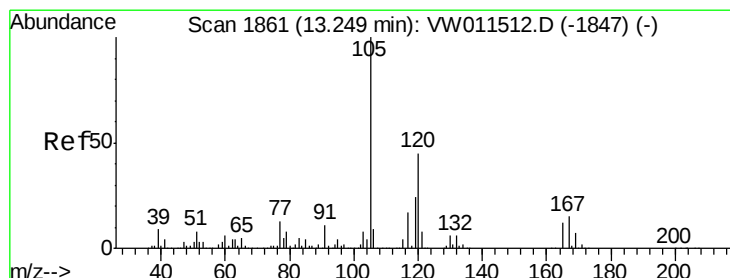
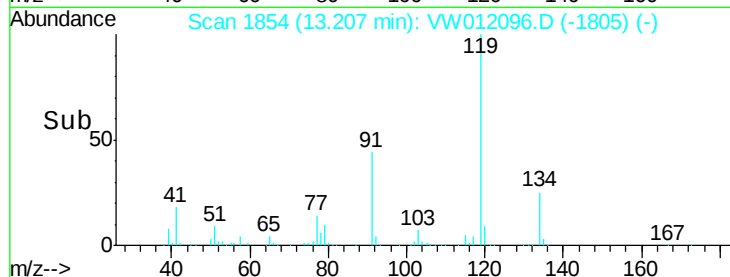
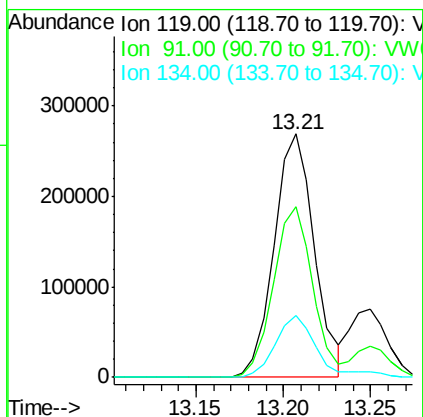
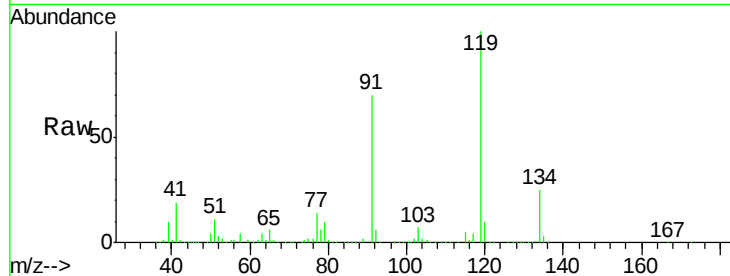




#83
tert-Butylbenzene
Concen: 55.512 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

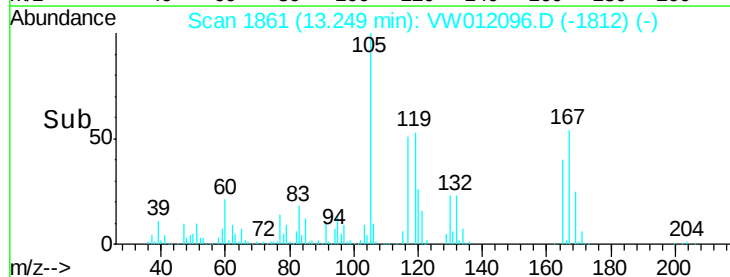
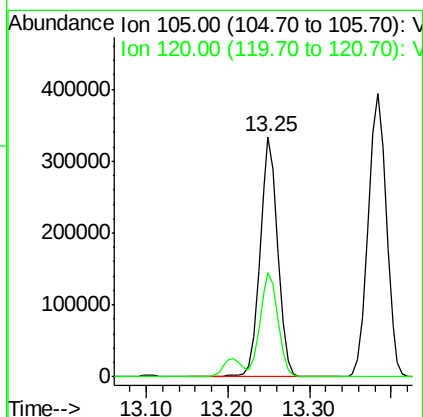
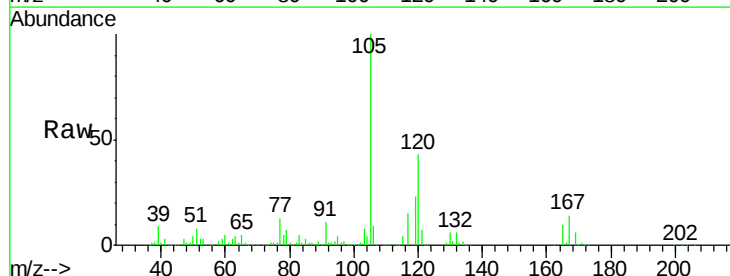
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

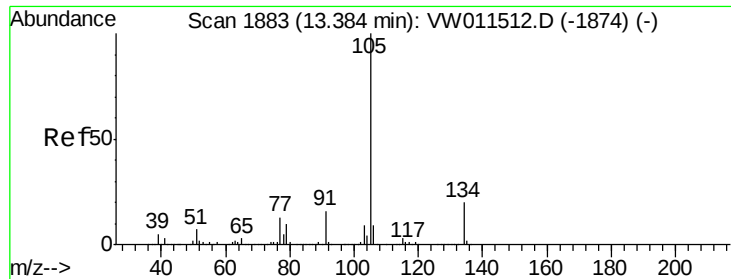
Tot Ion:119 Resp: 431553
Ion Ratio Lower Upper
119 100
91 68.5 34.5 103.6
134 26.5 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 54.504 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion:105 Resp: 510423
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 54.115 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

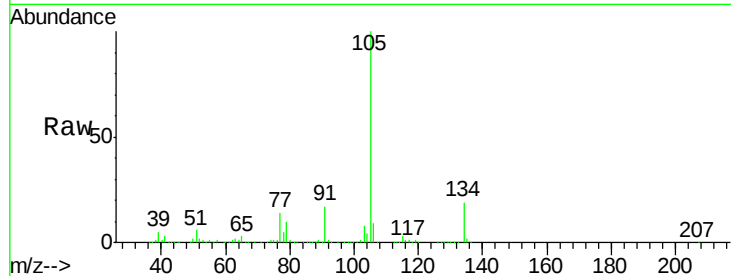
VSTDCCC050EC

Tot Ion:105 Resp: 600277

Ion Ratio Lower Upper

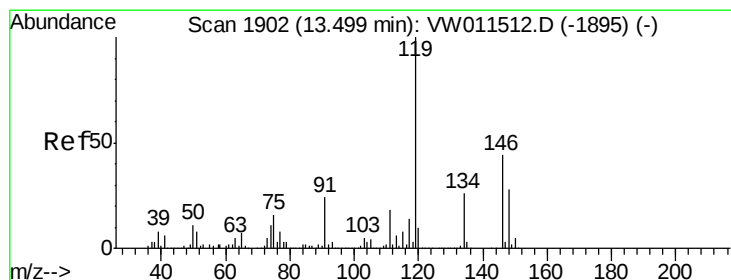
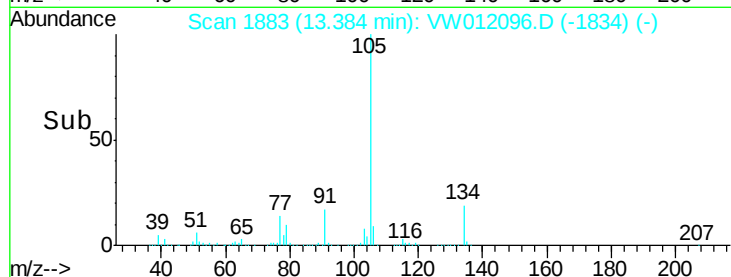
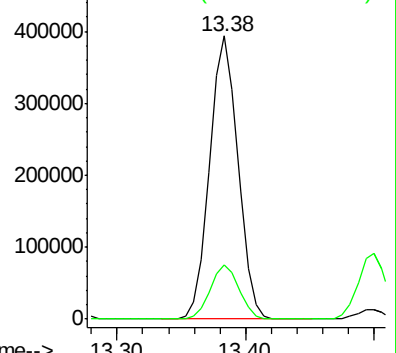
105 100

134 19.3 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: 53.591 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012096.D

Acq: 22 Aug 2019 02:47

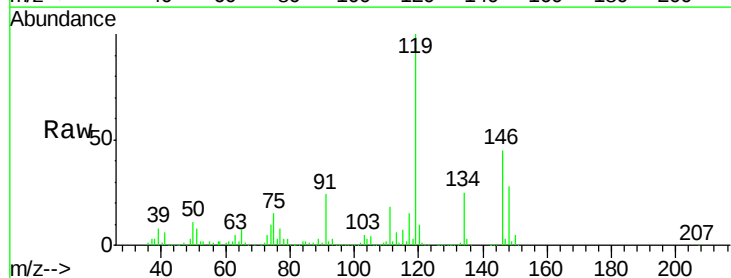
Tgt Ion:119 Resp: 539367

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

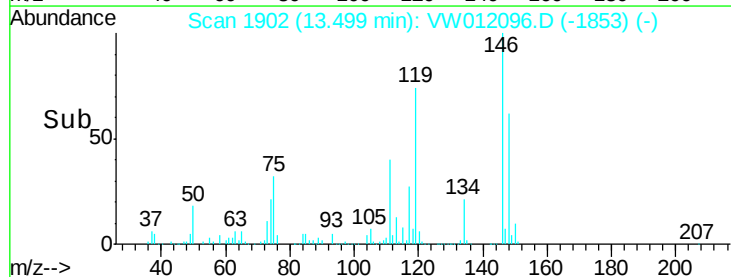
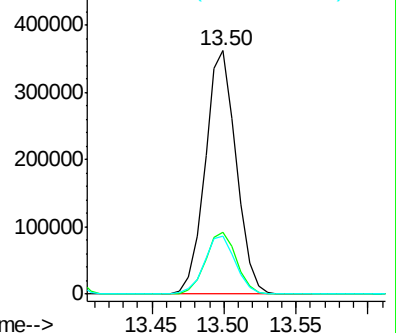
91 24.1 12.1 36.3

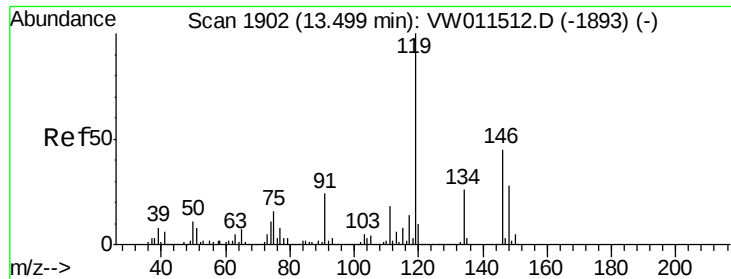


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

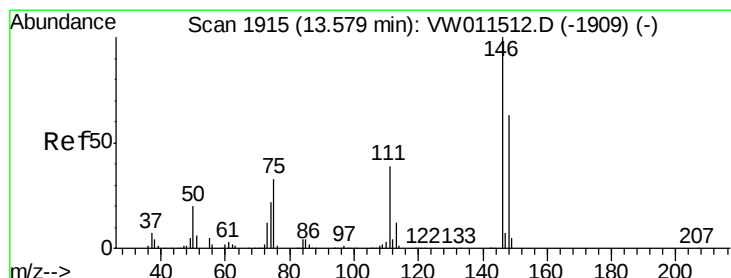
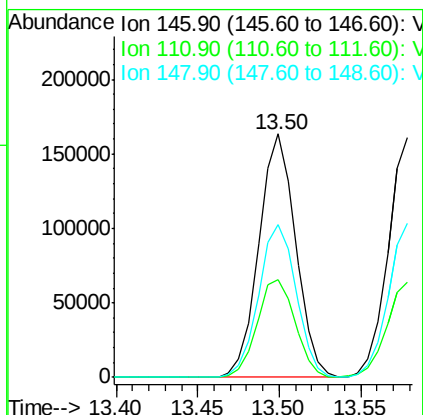
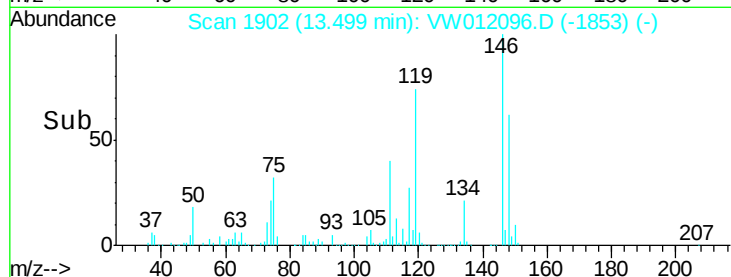
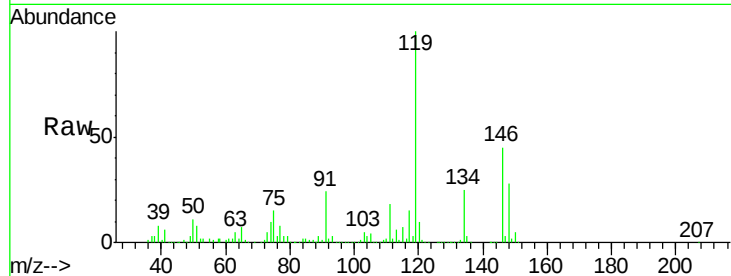




#87
 1,3-Dichlorobenzene
 Concen: 53.068 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

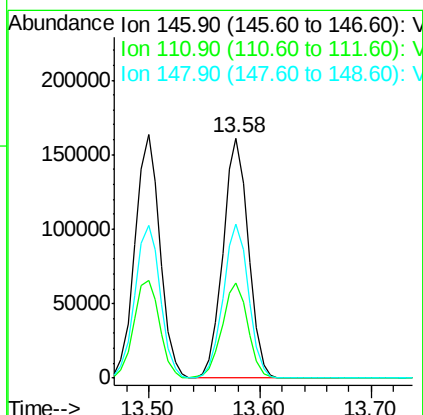
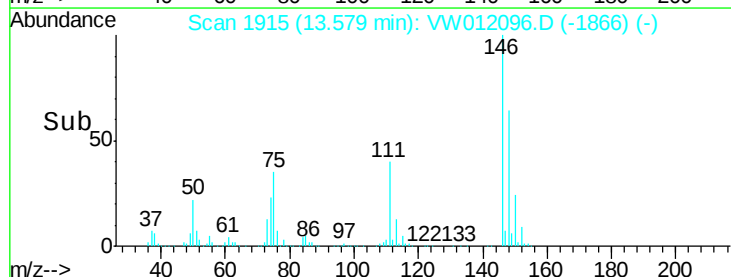
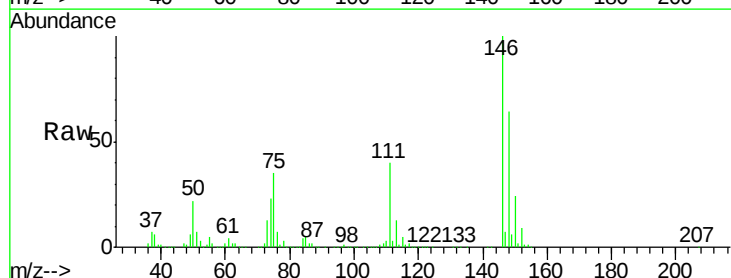
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

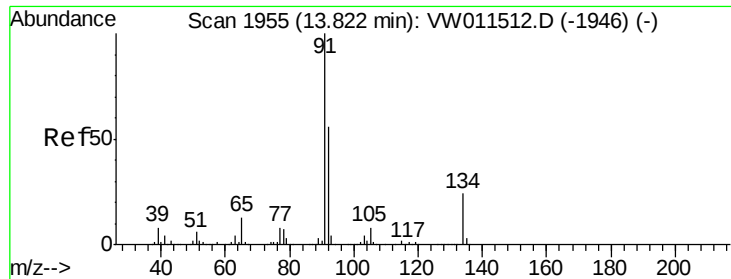
Tot Ion:146 Resp: 255066
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.6
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 53.024 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion:146 Resp: 253521
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.1 60.2
 148 64.2 31.9 95.9

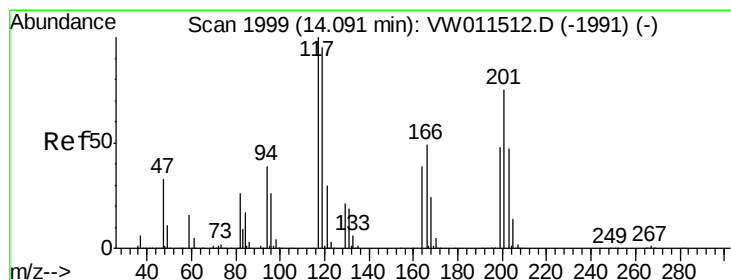
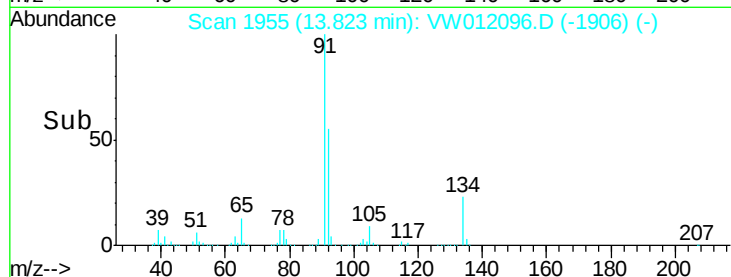
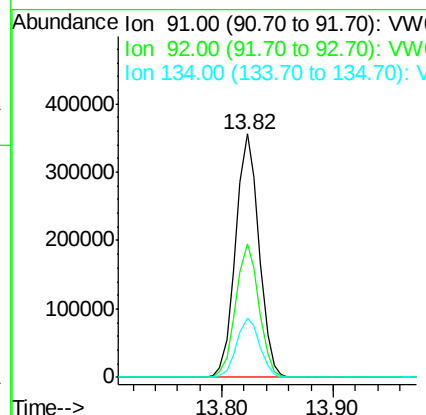
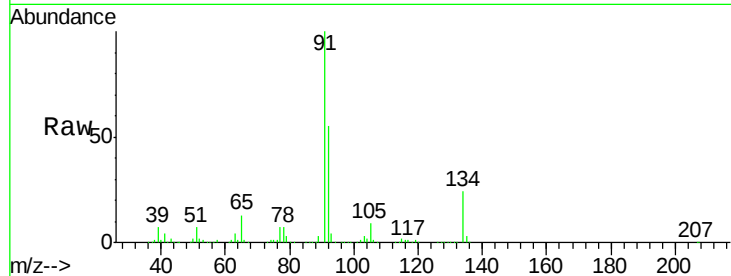




#89
n-Butylbenzene
Concen: 51.526 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

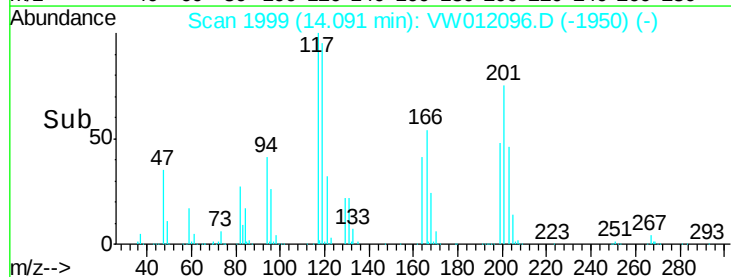
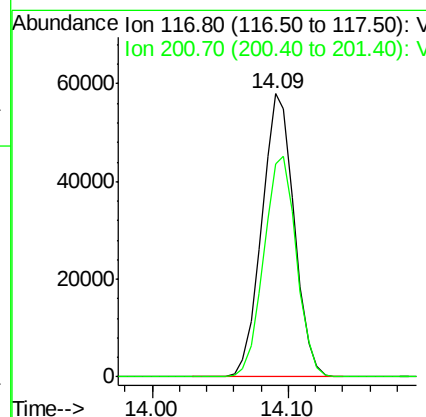
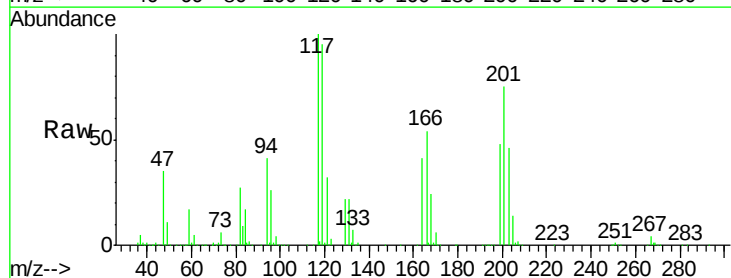
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

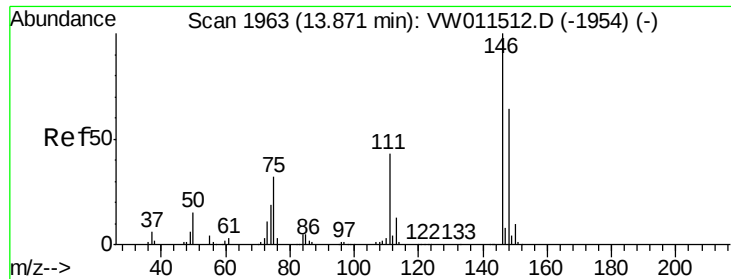
Tot Ion: 91 Resp: 517511
Ion Ratio Lower Upper
91 100
92 54.3 27.5 82.4
134 24.3 12.2 36.6



#90
Hexachloroethane
Concen: 54.434 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion: 117 Resp: 96876
Ion Ratio Lower Upper
117 100
201 78.3 39.4 118.2

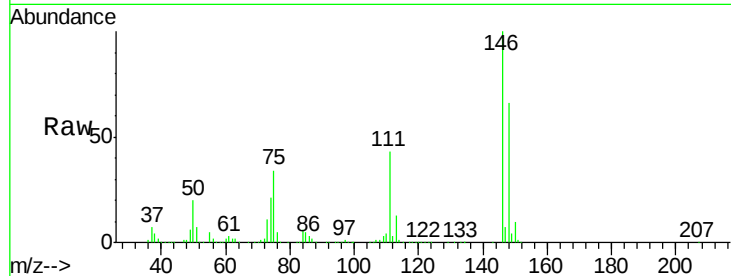




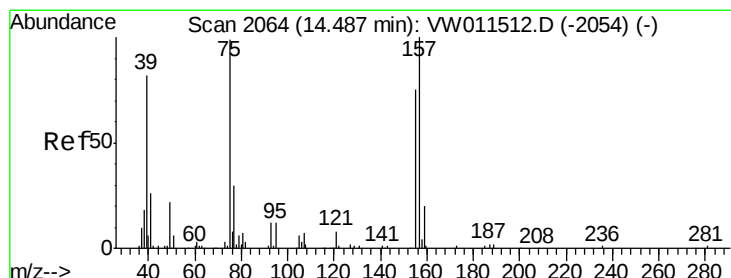
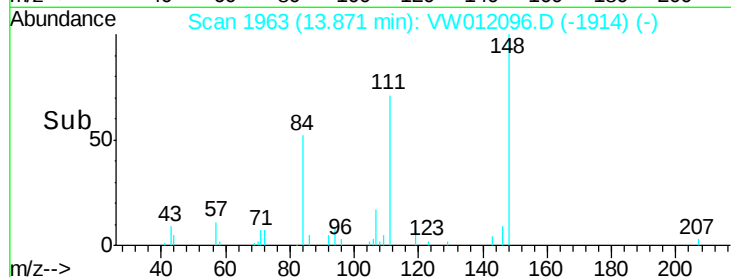
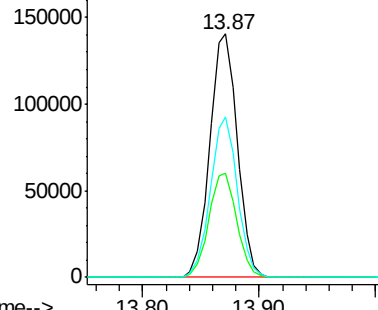
#91
 1,2-Dichlorobenzene
 Concen: 54.564 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.6	32.0	96.2

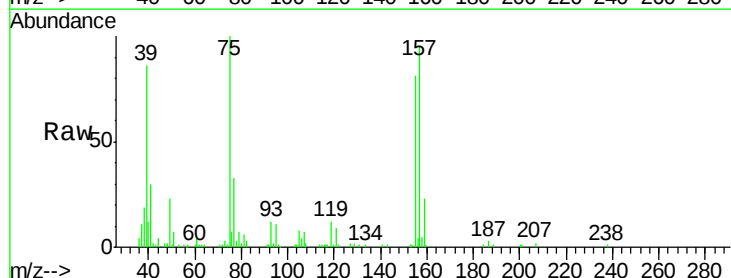


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

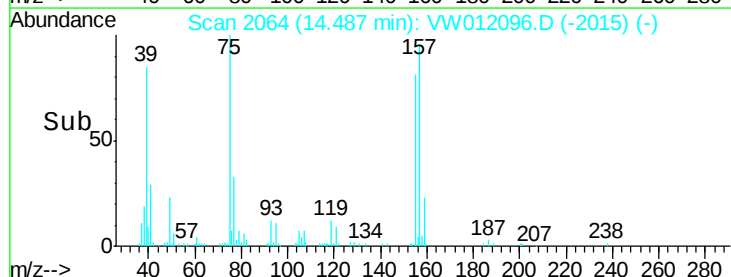
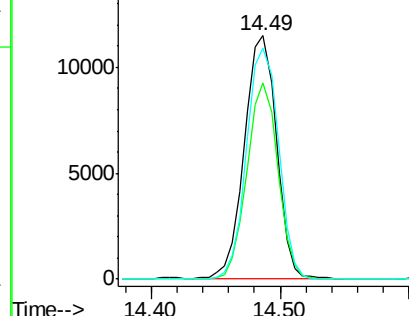


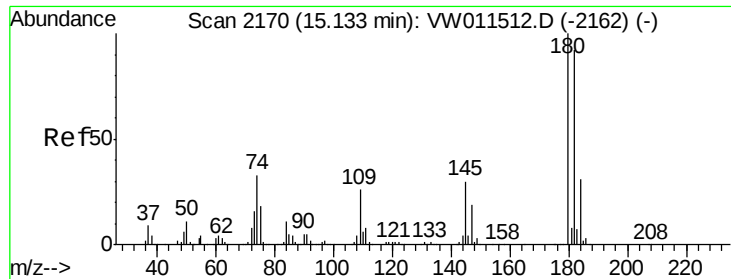
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.958 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.2	114.6
157	94.1	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

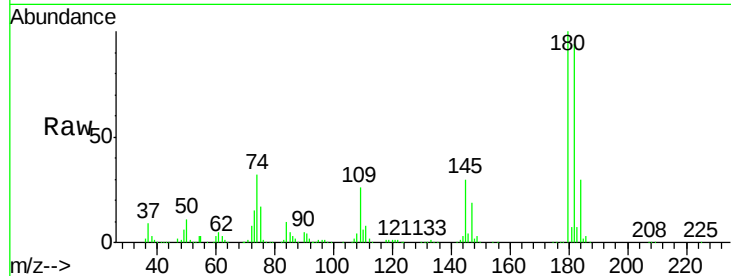




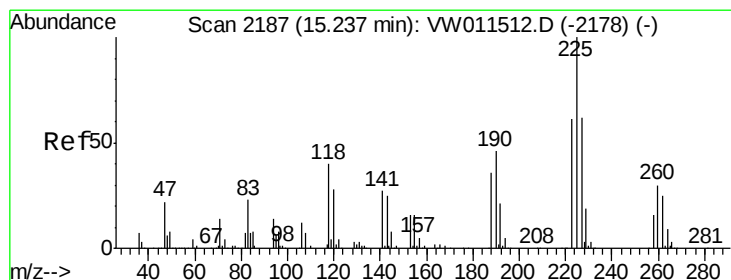
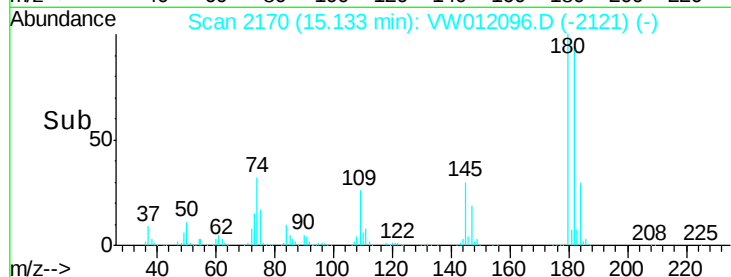
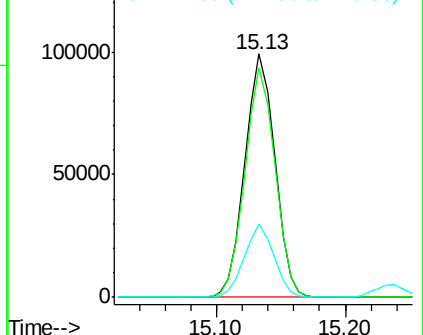
#93
 1,2,4-Trichlorobenzene
 Concen: 53.233 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 159486
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.4 142.2
 145 29.9 15.4 46.1

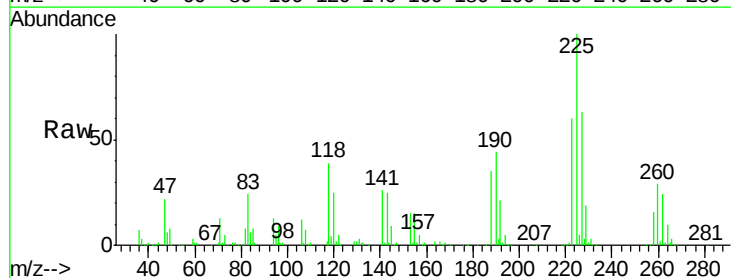


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

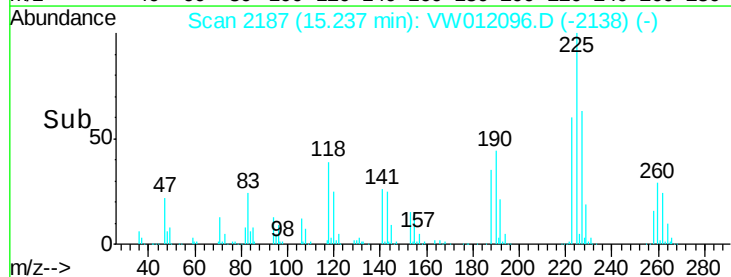
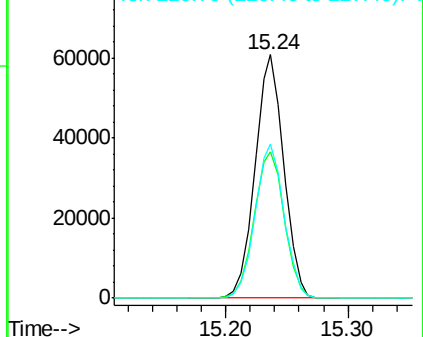


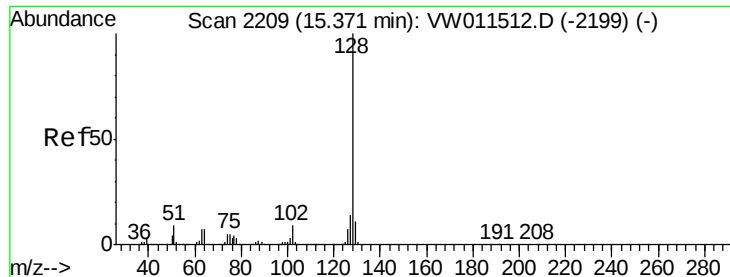
#94
 Hexachlorobutadiene
 Concen: 53.277 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012096.D
 Acq: 22 Aug 2019 02:47

Tgt Ion:225 Resp: 99541
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.8 92.3
 227 63.8 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

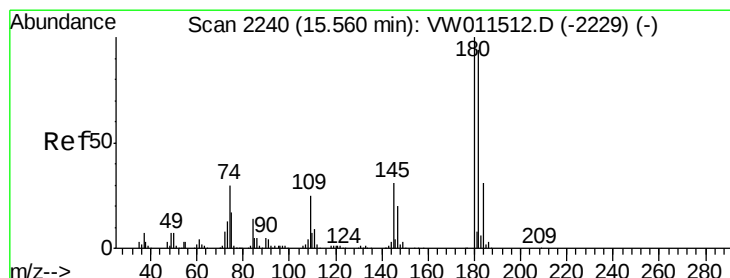
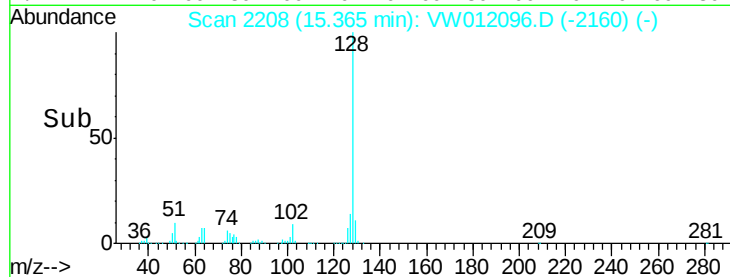
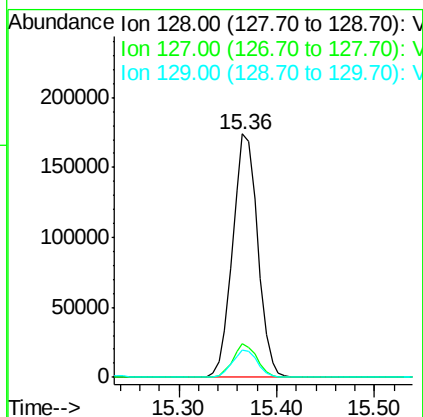
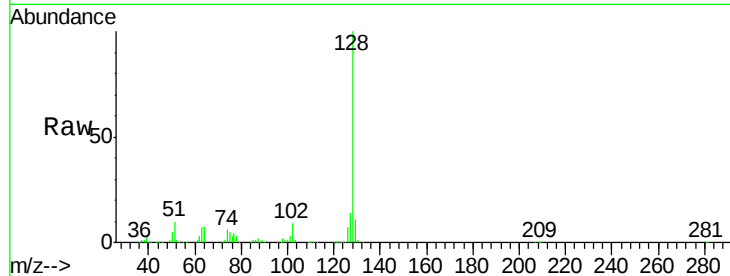




#95
Naphthalene
Concen: 52.742 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 310225
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.812 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012096.D
Acq: 22 Aug 2019 02:47

Tgt Ion:180 Resp: 143947
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.2
145 32.0 15.9 47.7

