

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012438.D
 Acq On : 01 Sep 2019 10:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 02 07:15:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155571	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134057	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
35) Dibromofluoromethane	7.88	113	107706	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.32	98	429533	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.62	95	149472	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	76706	50.770	ug/l	100
3) Chloromethane	2.21	50	121163	51.763	ug/l	100
4) Vinyl Chloride	2.36	62	153730	53.658	ug/l	99
5) Bromomethane	2.78	94	80621	55.564	ug/l	98
6) Chloroethane	2.92	64	88599	54.820	ug/l	96
7) Trichlorofluoromethane	3.26	101	93799	65.202	ug/l	100
8) Diethyl Ether	3.68	74	63285	46.346	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128018	52.353	ug/l	97
10) Methyl Iodide	4.27	142	172188	52.043	ug/l	98
11) Tert butyl alcohol	5.15	59	39982	227.770	ug/l	99
12) 1,1-Dichloroethene	4.04	96	124178	50.454	ug/l	94
13) Acrolein	3.89	56	32731	198.086	ug/l	98
14) Allyl chloride	4.67	41	274207	52.114	ug/l	99
15) Acrylonitrile	5.36	53	155290	229.440	ug/l	99
16) Acetone	4.12	43	189912	254.705	ug/l	97
17) Carbon Disulfide	4.38	76	373509	50.215	ug/l	100
18) Methyl Acetate	4.66	43	81296	44.021	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	202072	50.770	ug/l	98
20) Methylene Chloride	4.91	84	130914	46.444	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	132492	50.200	ug/l	99
22) Diisopropyl ether	6.31	45	493543	50.604	ug/l	98
23) Vinyl Acetate	6.25	43	1468196	244.611	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272018	51.224	ug/l	99
25) 2-Butanone	7.17	43	234031	230.980	ug/l	98
26) 2,2-Dichloropropane	7.17	77	170849	56.841	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	142628	50.580	ug/l	98
28) Bromochloromethane	7.51	49	96923	41.876	ug/l	98
29) Tetrahydrofuran	7.52	42	138423	227.714	ug/l	100
30) Chloroform	7.67	83	250653	51.591	ug/l	97
31) Cyclohexane	7.95	56	250554	47.689	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	212096	55.184	ug/l	99
36) 1,1-Dichloropropene	8.08	75	211031	54.258	ug/l	99
37) Ethyl Acetate	7.25	43	97764	45.870	ug/l	100
38) Carbon Tetrachloride	8.07	117	193469	57.471	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012438.D
 Acq On : 01 Sep 2019 10:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 02 07:15:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	229105	52.433	ug/l	97
40) Benzene	8.32	78	552707	52.042	ug/l	100
41) Methacrylonitrile	7.48	41	63658	50.818	ug/l	96
42) 1,2-Dichloroethane	8.40	62	178024	53.485	ug/l	98
43) Isopropyl Acetate	8.42	43	186899	47.341	ug/l	99
44) Trichloroethene	9.09	130	138801	53.762	ug/l	97
45) 1,2-Dichloropropane	9.37	63	146249	51.167	ug/l	99
46) Dibromomethane	9.46	93	63504	49.935	ug/l	99
47) Bromodichloromethane	9.64	83	180868	53.439	ug/l	99
48) Methyl methacrylate	9.43	41	92206	49.072	ug/l	98
49) 1,4-Dioxane	9.45	88	17625	905.304	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	477614	237.852	ug/l	99
52) Toluene	10.38	92	338520	53.059	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	183836	53.322	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	217550	52.260	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89030	49.480	ug/l	97
56) Ethyl methacrylate	10.65	69	130262	49.742	ug/l	100
57) 1,3-Dichloropropane	10.93	76	170630	50.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	313060	232.931	ug/l	100
59) 2-Hexanone	10.97	43	347795	244.786	ug/l	99
60) Dibromochloromethane	11.13	129	105361	52.572	ug/l	100
61) 1,2-Dibromoethane	11.23	107	82062	48.954	ug/l	100
64) Tetrachloroethene	10.86	164	113904	54.241	ug/l	98
65) Chlorobenzene	11.66	112	330782	51.863	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120549	54.179	ug/l	99
67) Ethyl Benzene	11.73	91	665536	54.170	ug/l	98
68) m/p-Xylenes	11.84	106	480081	108.479	ug/l	99
69) o-Xylene	12.16	106	218222	53.277	ug/l	98
70) Styrene	12.18	104	381107	53.755	ug/l	99
71) Bromoform	12.35	173	57908	52.237	ug/l #	99
73) Isopropylbenzene	12.46	105	635902	54.550	ug/l	99
74) N-amyl acetate	12.27	43	174646	49.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	101449	47.470	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	140345	92.628	ug/l #	100
77) Bromobenzene	12.74	156	132870	52.686	ug/l	97
78) n-propylbenzene	12.80	91	780857	54.870	ug/l	99
79) 2-Chlorotoluene	12.89	91	431075	53.354	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	536970	55.126	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	33661	48.710	ug/l	94
82) 4-Chlorotoluene	12.99	91	453886	53.651	ug/l	100
83) tert-Butylbenzene	13.21	119	463702	56.198	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	536303	54.810	ug/l	99
85) sec-Butylbenzene	13.38	105	652465	55.194	ug/l	100
86) p-Isopropyltoluene	13.50	119	595054	56.365	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	263290	53.376	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	256781	52.427	ug/l	99
89) n-Butylbenzene	13.82	91	595827	56.754	ug/l	99
90) Hexachloroethane	14.09	117	103109	55.668	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	228313	52.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17808	49.428	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
Data File : VW012438.D
Acq On : 01 Sep 2019 10:34
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Sep 02 07:15:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	164586	55.037	ug/l	99
94) Hexachlorobutadiene	15.24	225	118555	60.041	ug/l	96
95) Naphthalene	15.37	128	273352	46.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141691	54.307	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: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

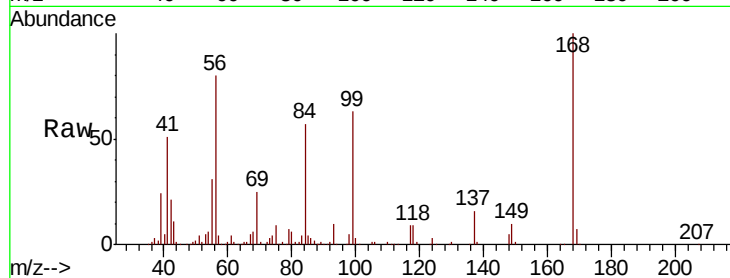
VSTDCCC050

Tgt Ion:168 Resp: 245373

Ion Ratio Lower Upper

168 100

99 62.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

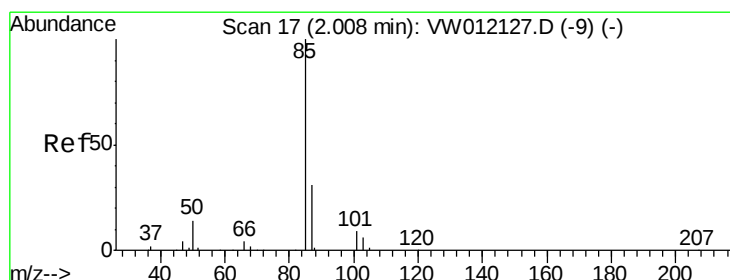
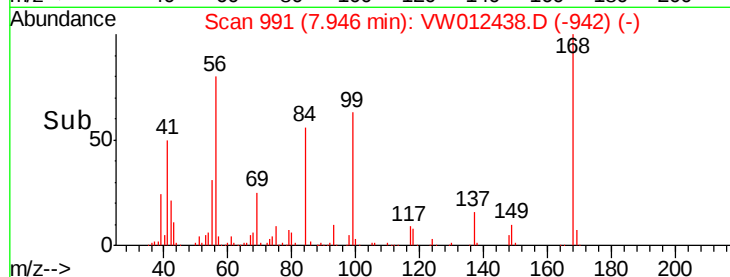
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.770 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012438.D

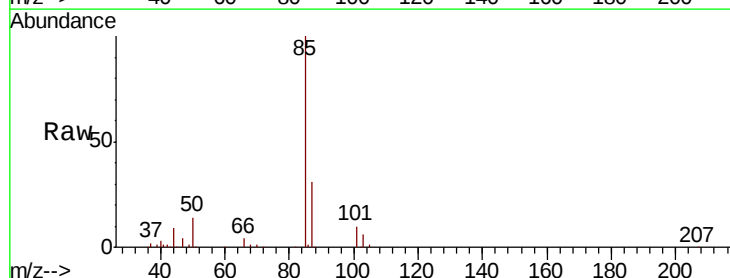
Acq: 01 Sep 2019 10:34

Tgt Ion: 85 Resp: 76706

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

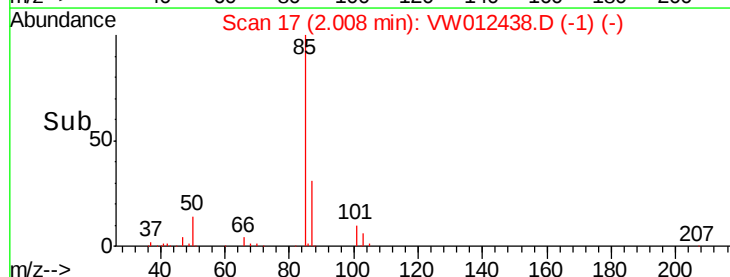
15000

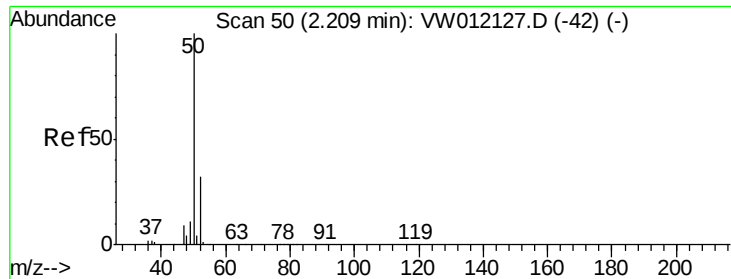
10000

5000

0

Time-->





#3

Chloromethane

Concen: 51.763 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

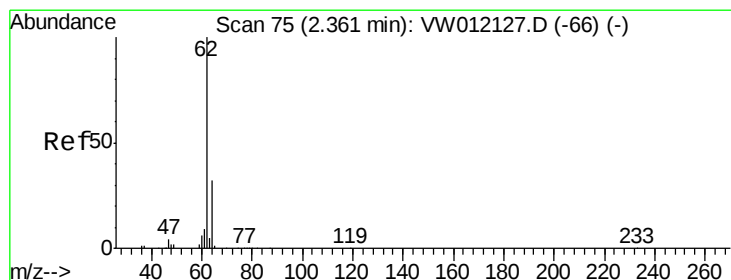
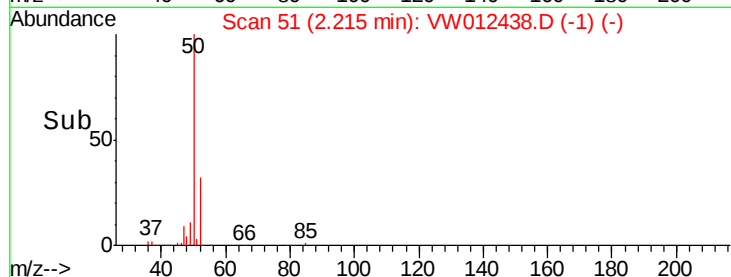
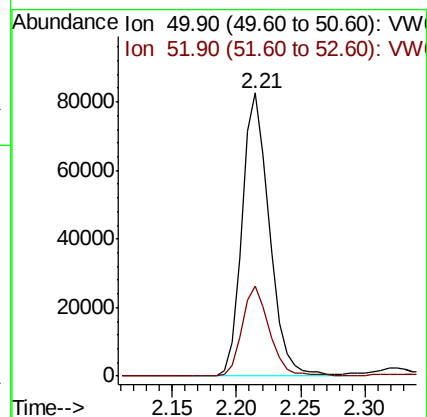
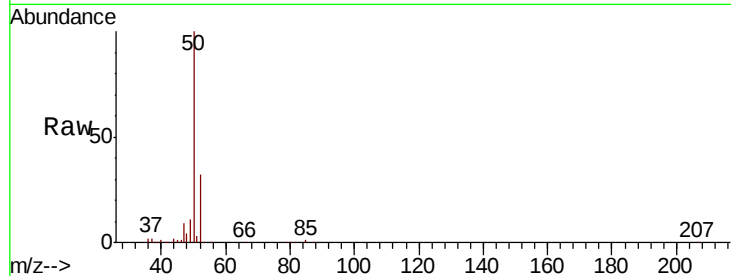
VSTDCCC050

Tgt Ion: 50 Resp: 121163

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



#4

Vinyl Chloride

Concen: 53.658 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012438.D

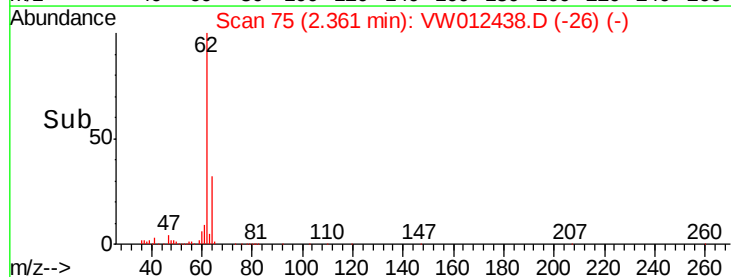
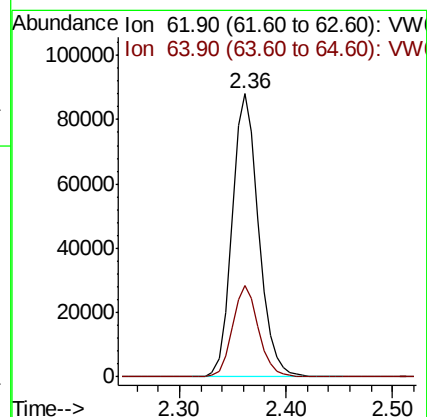
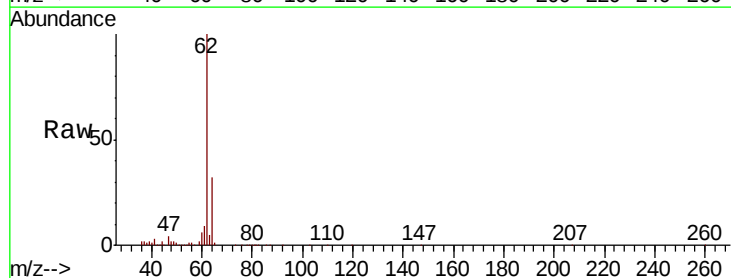
Acq: 01 Sep 2019 10:34

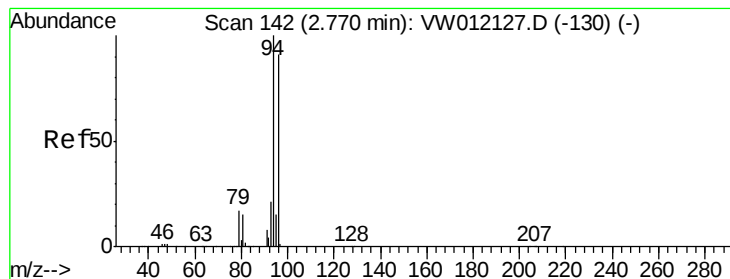
Tgt Ion: 62 Resp: 153730

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 55.564 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

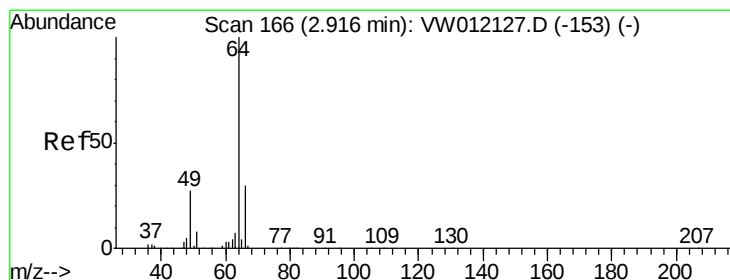
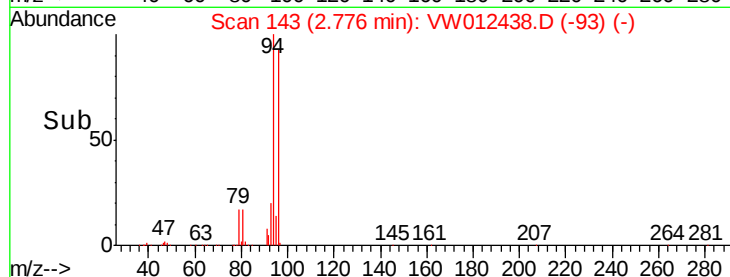
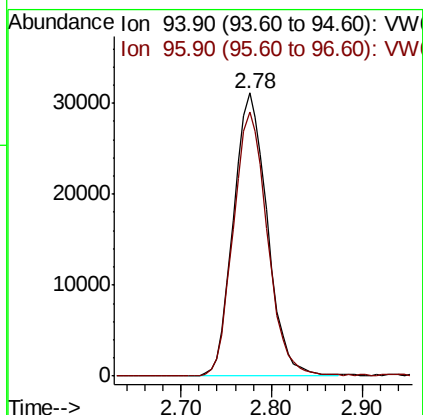
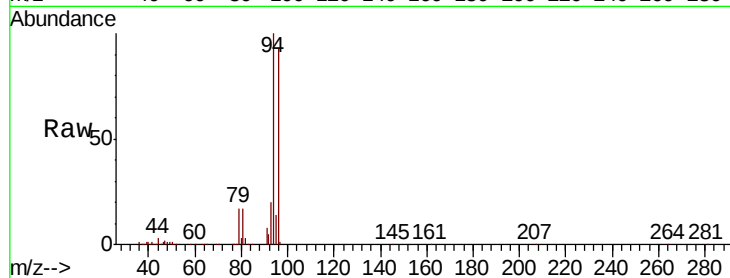
VSTDCCC050

Tgt Ion: 94 Resp: 80621

Ion Ratio Lower Upper

94 100

96 93.5 72.9 109.3



#6

Chloroethane

Concen: 54.820 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012438.D

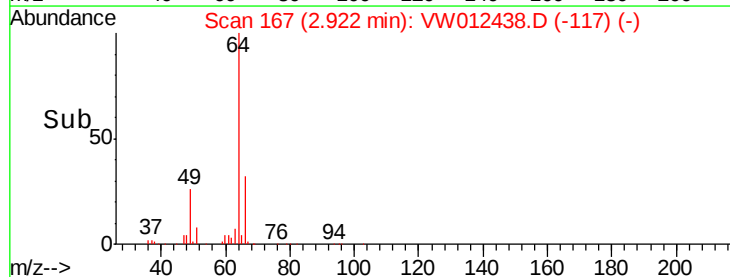
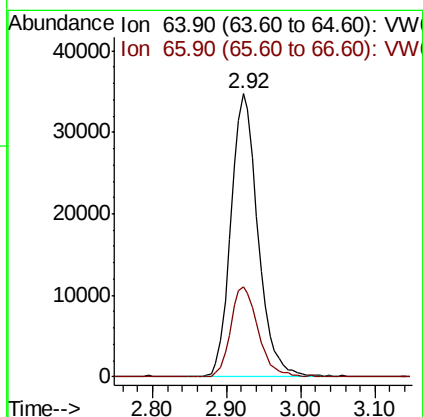
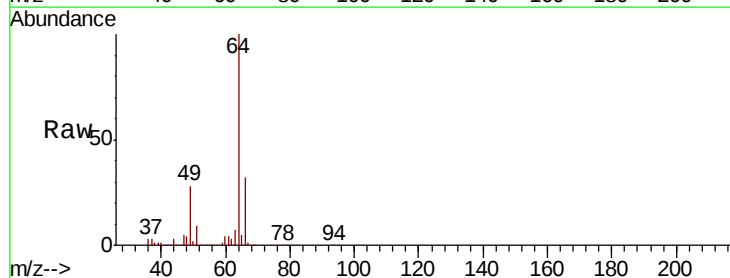
Acq: 01 Sep 2019 10:34

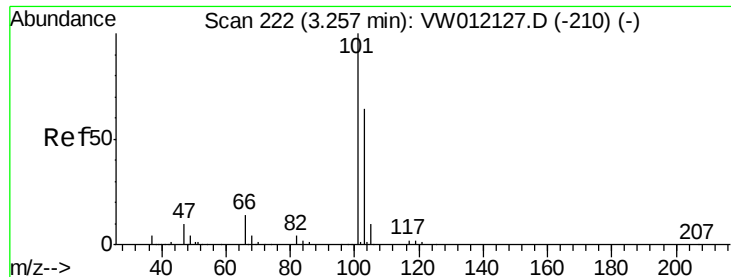
Tgt Ion: 64 Resp: 88599

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.8



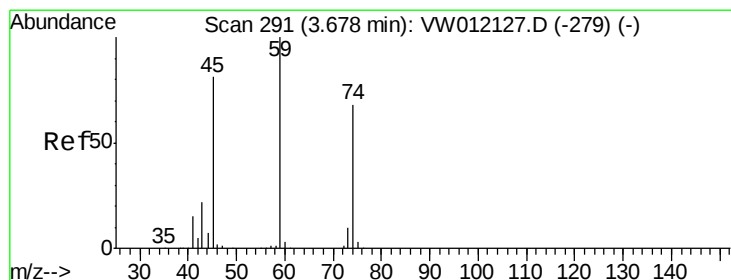
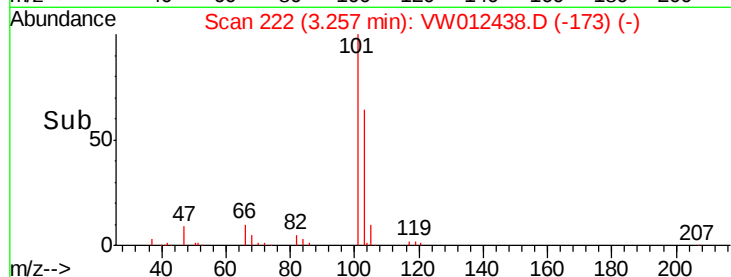
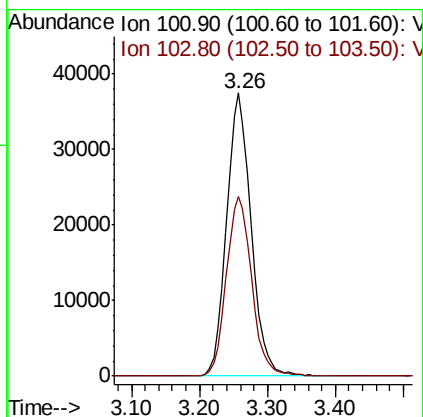
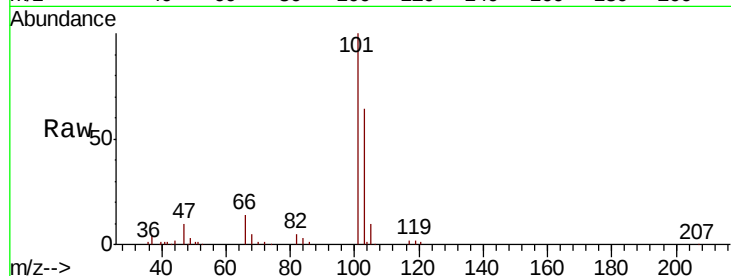


#7

Trichlorofluoromethane
 Concen: 65.202 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

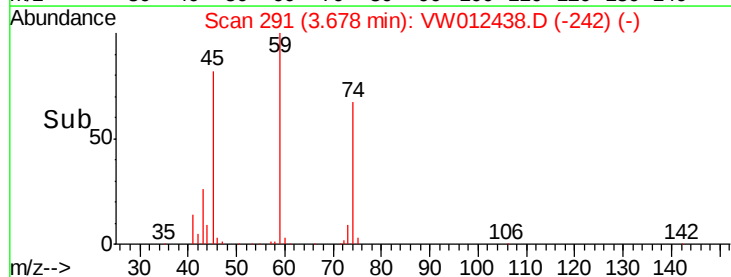
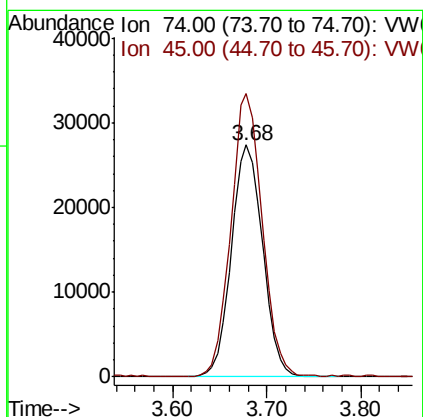
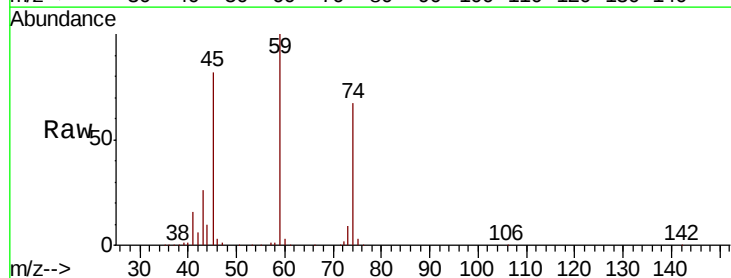
Tgt Ion:101 Resp: 93799
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

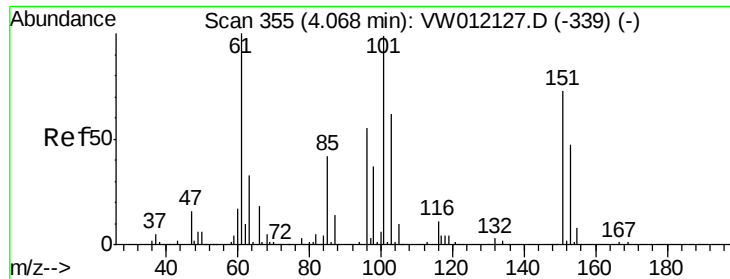


#8

Diethyl Ether
 Concen: 46.346 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 74 Resp: 63285
 Ion Ratio Lower Upper
 74 100
 45 122.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.353 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

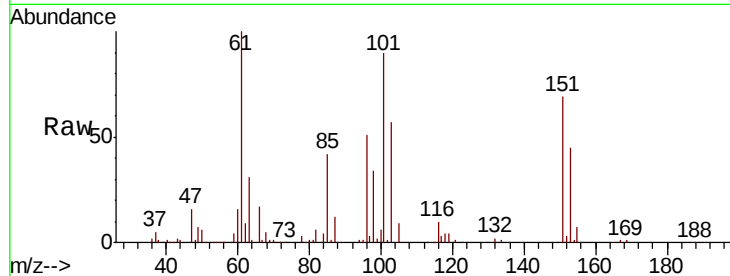
Tgt Ion:101 Resp: 128018

Ion Ratio Lower Upper

101 100

85 46.8 35.8 53.6

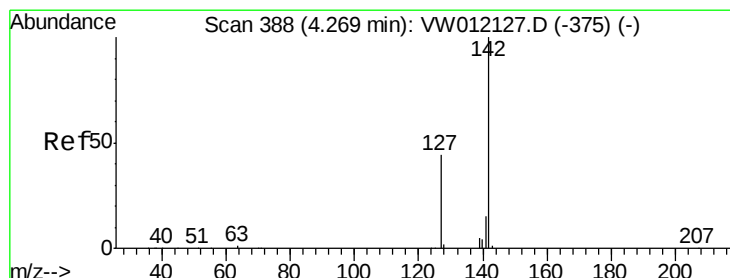
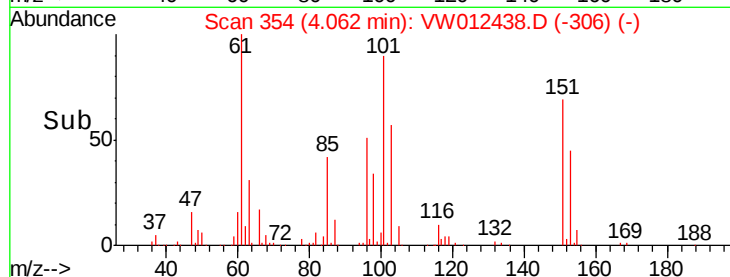
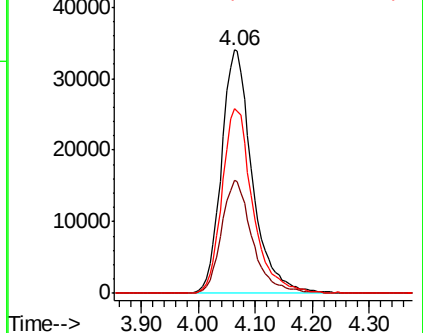
151 75.9 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.043 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

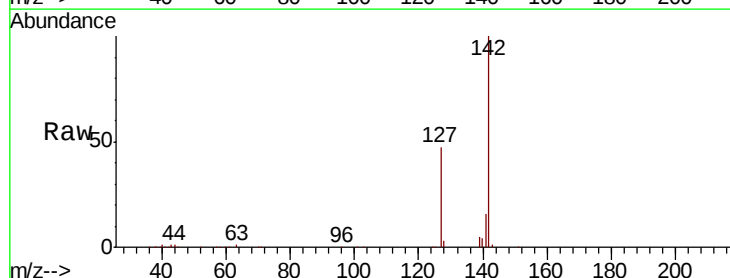
Tgt Ion:142 Resp: 172188

Ion Ratio Lower Upper

142 100

127 46.2 35.5 53.3

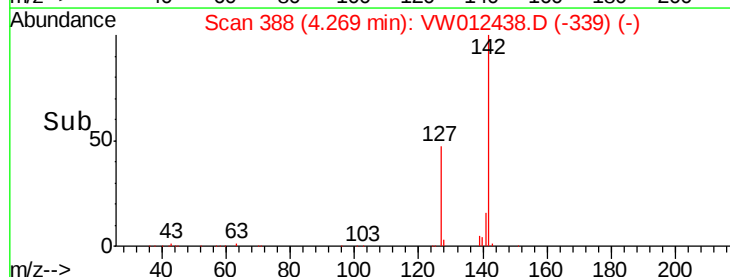
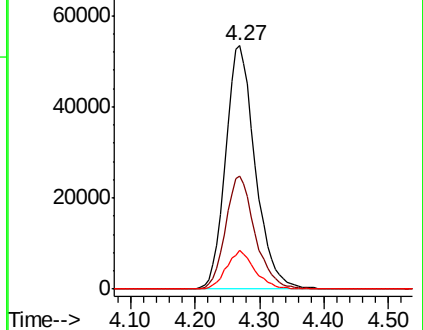
141 15.2 11.8 17.8

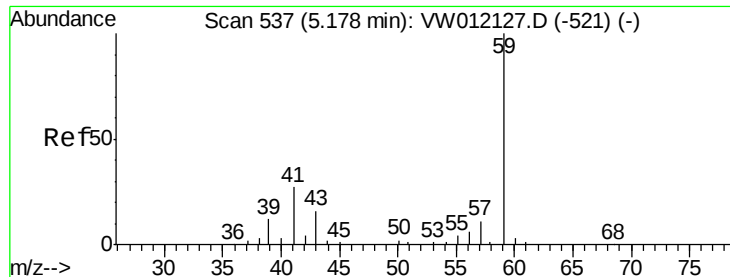


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

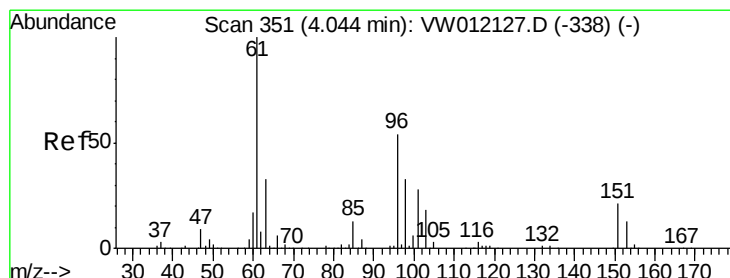
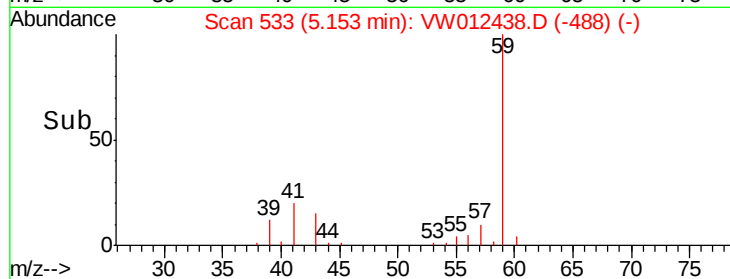
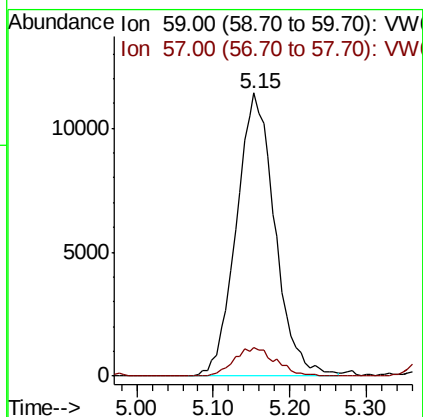
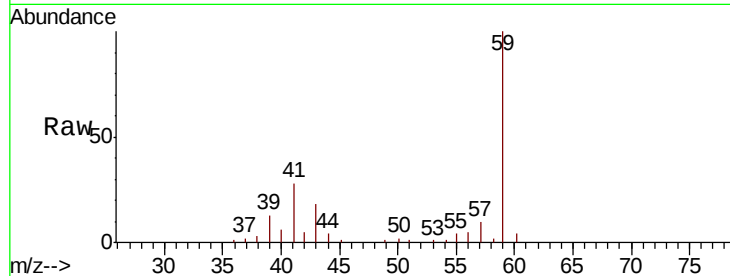




#11
Tert butyl alcohol
Concen: 227.770 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

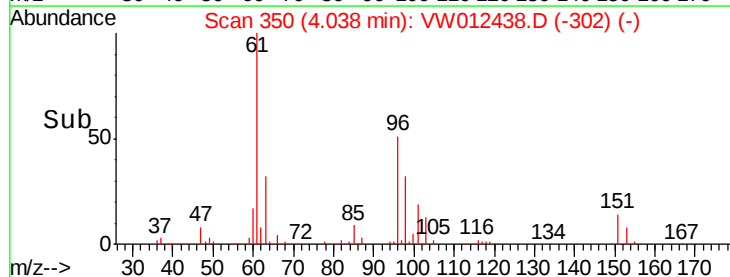
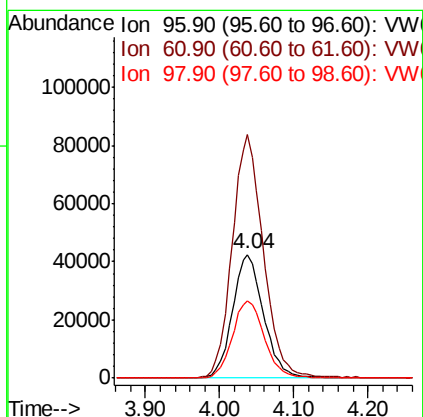
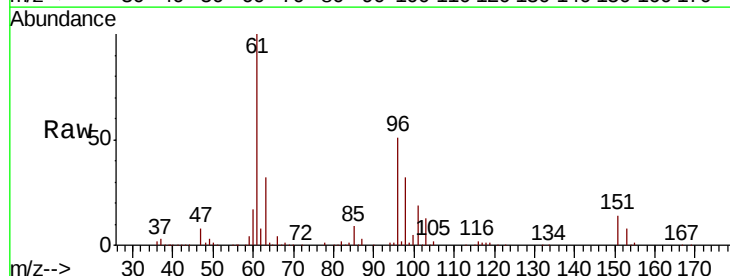
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

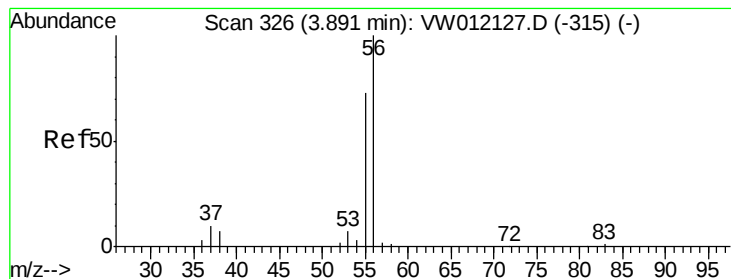
Tgt Ion: 59 Resp: 39982
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.4



#12
1,1-Dichloroethene
Concen: 50.454 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 96 Resp: 124178
Ion Ratio Lower Upper
96 100
61 197.0 149.1 223.7
98 62.3 49.4 74.2





#13

Acrolein

Concen: 198.086 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampled :

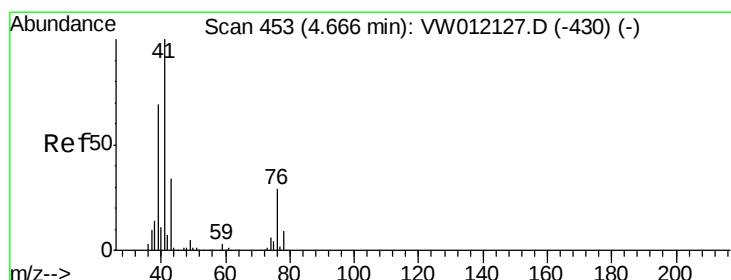
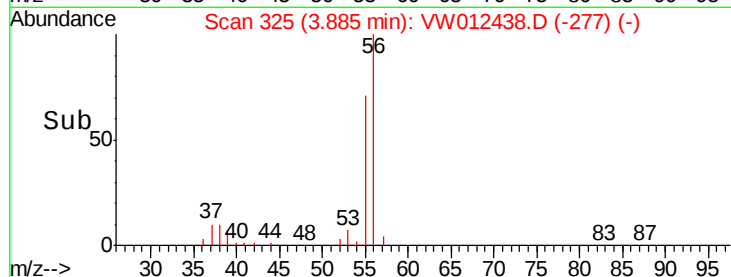
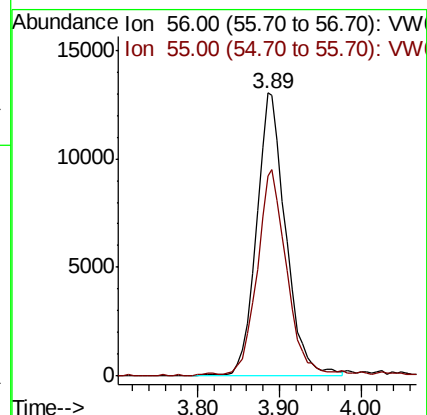
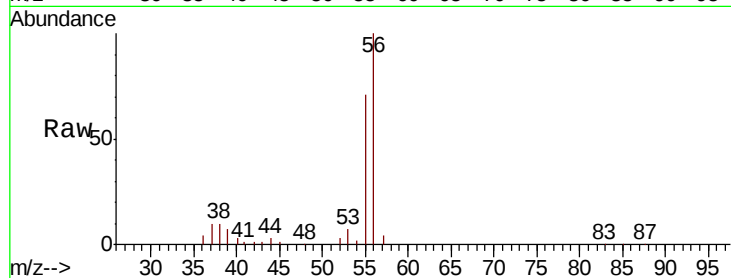
VSTDCCC050

Tgt Ion: 56 Resp: 32731

Ion Ratio Lower Upper

56 100

55 71.5 55.8 83.8



#14

Allyl chloride

Concen: 52.114 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

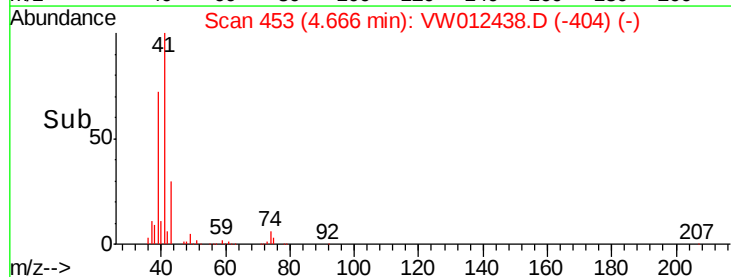
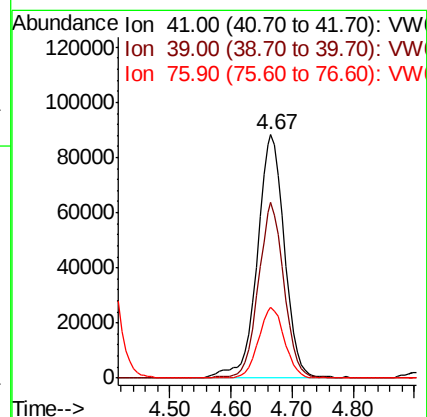
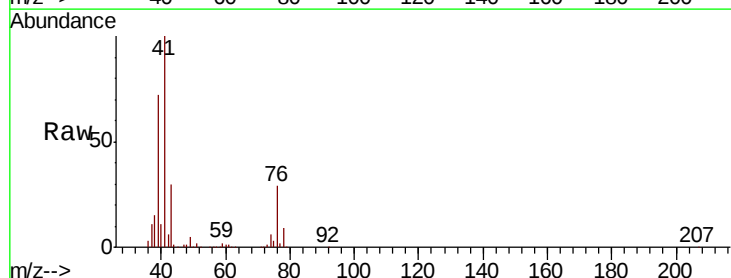
Tgt Ion: 41 Resp: 274207

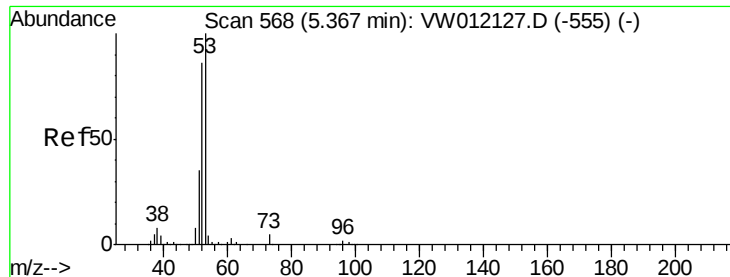
Ion Ratio Lower Upper

41 100

39 68.3 53.4 80.2

76 27.5 22.1 33.1





#15

Acrylonitrile

Concen: 229.440 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

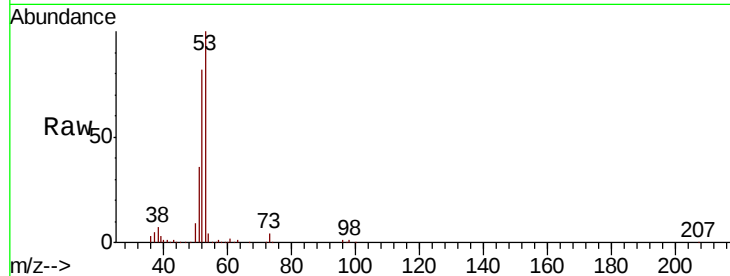
Tgt Ion: 53 Resp: 155290

Ion Ratio Lower Upper

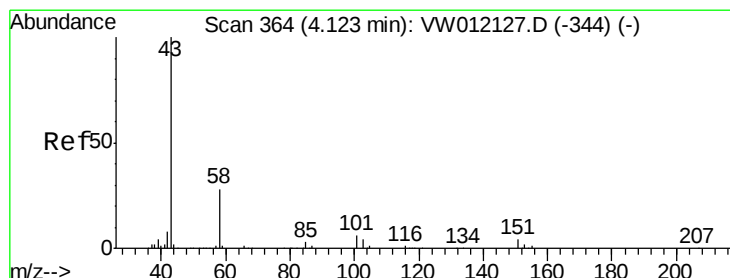
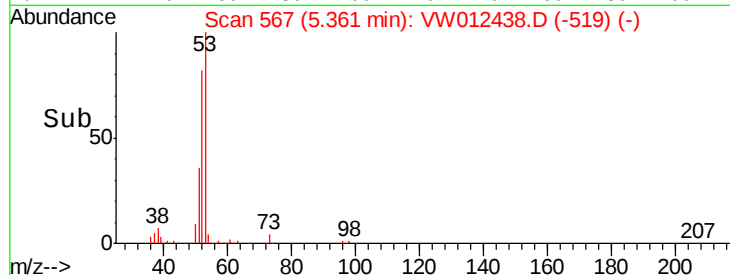
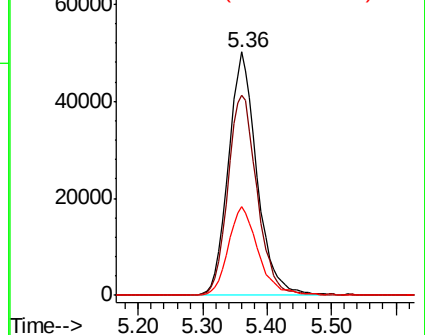
53 100

52 84.5 66.7 100.1

51 38.3 30.1 45.1



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: 254.705 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012438.D

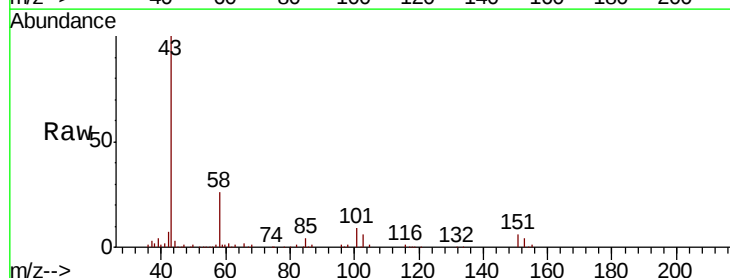
Acq: 01 Sep 2019 10:34

Tgt Ion: 43 Resp: 189912

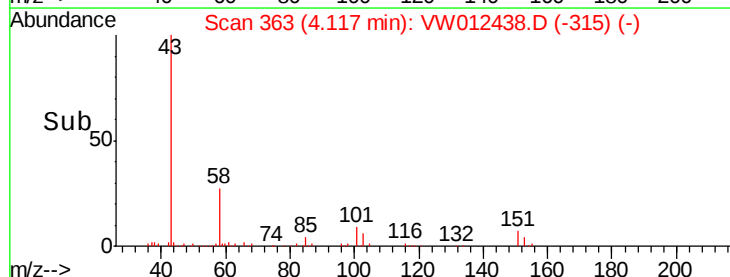
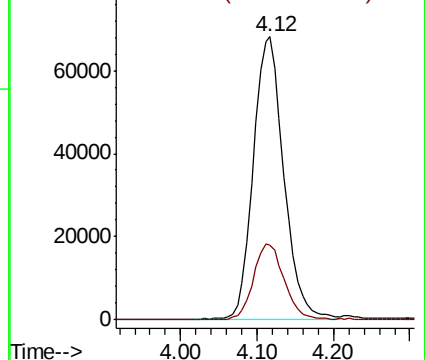
Ion Ratio Lower Upper

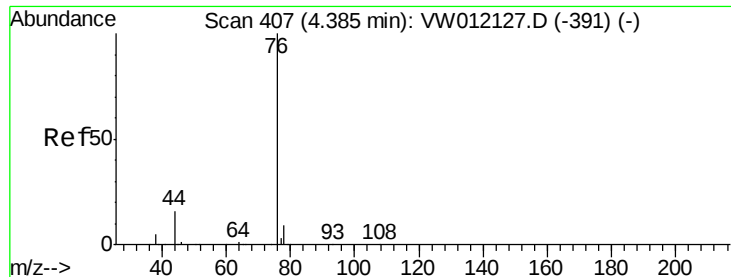
43 100

58 26.3 22.4 33.6



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





#17

Carbon Disulfide

Concen: 50.215 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

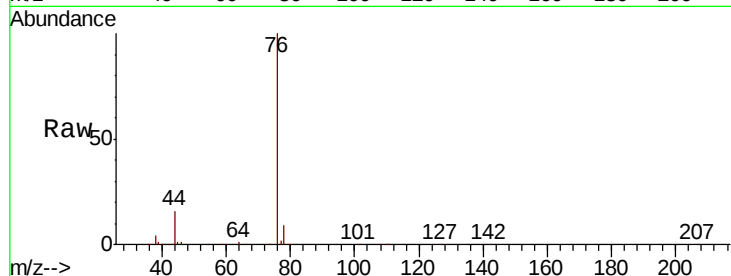
VSTDCCC050

Tgt Ion: 76 Resp: 373509

Ion Ratio Lower Upper

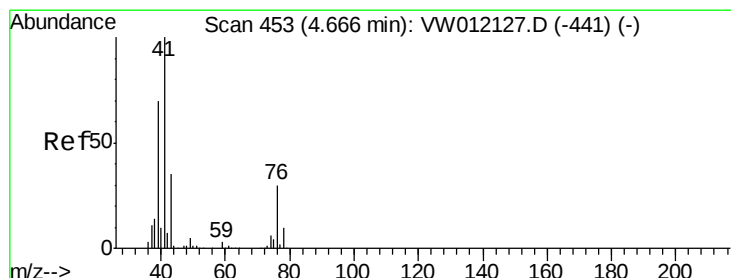
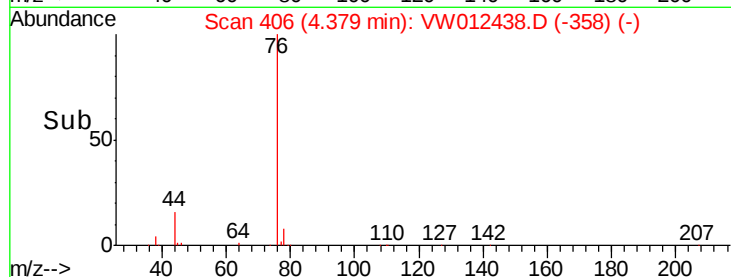
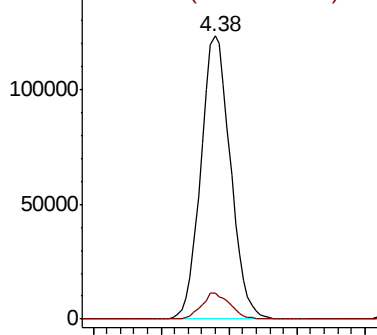
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 44.021 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012438.D

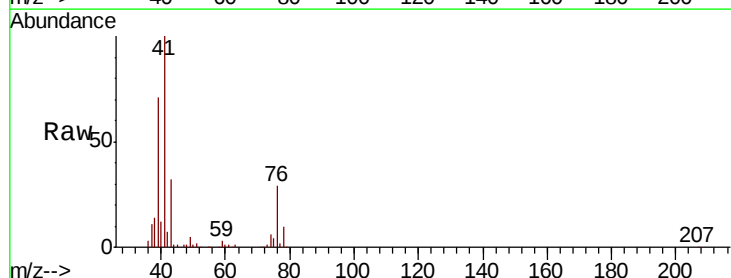
Acq: 01 Sep 2019 10:34

Tgt Ion: 43 Resp: 81296

Ion Ratio Lower Upper

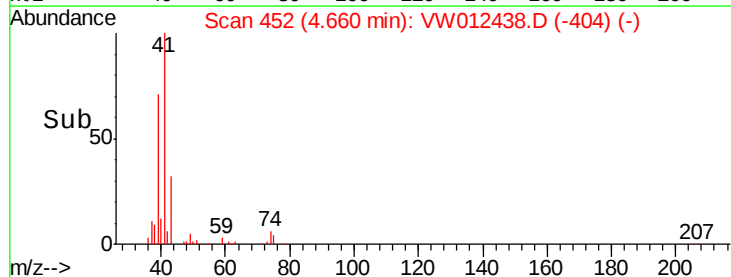
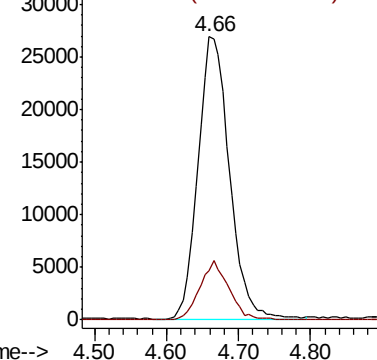
43 100

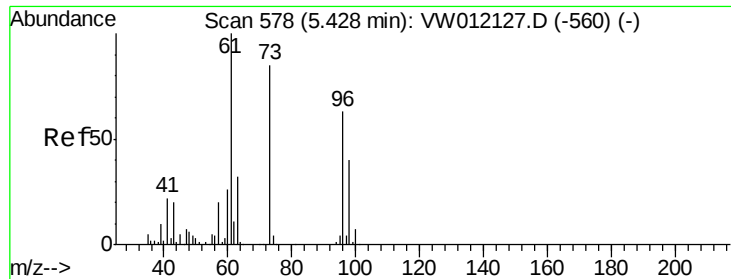
74 19.6 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

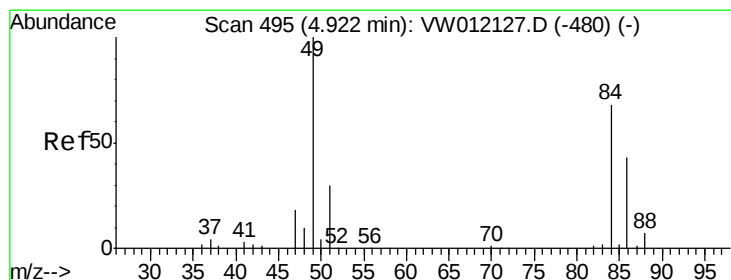
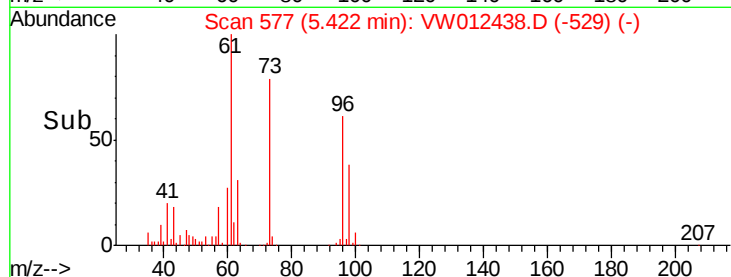
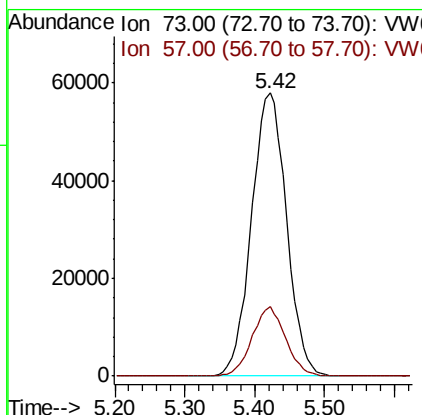
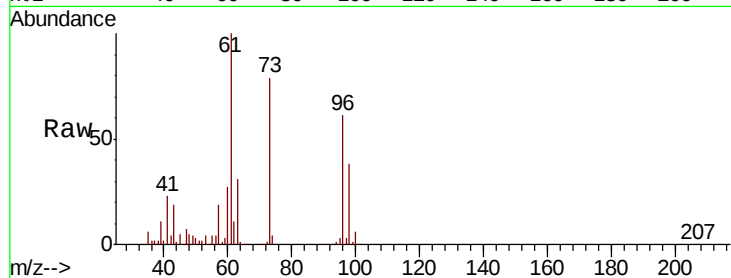




#19
Methyl tert-butyl Ether
Concen: 50.770 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

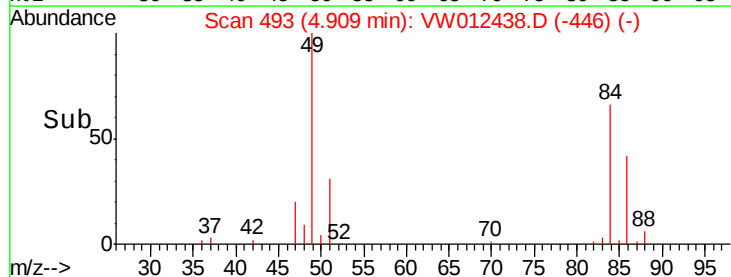
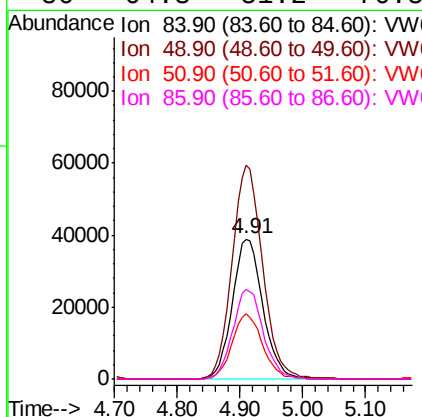
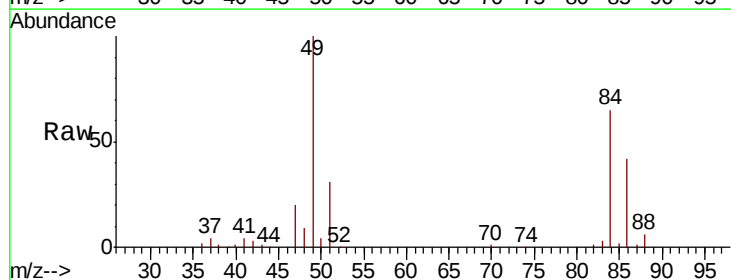
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

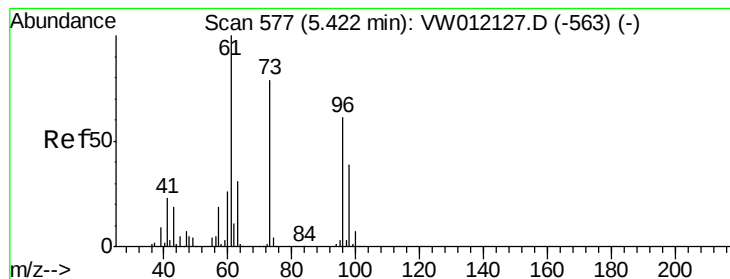
Tgt Ion: 73 Resp: 202072
Ion Ratio Lower Upper
73 100
57 24.7 18.9 28.3



#20
Methylene Chloride
Concen: 46.444 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 84 Resp: 130914
Ion Ratio Lower Upper
84 100
49 153.0 117.8 176.8
51 46.9 35.6 53.4
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.200 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

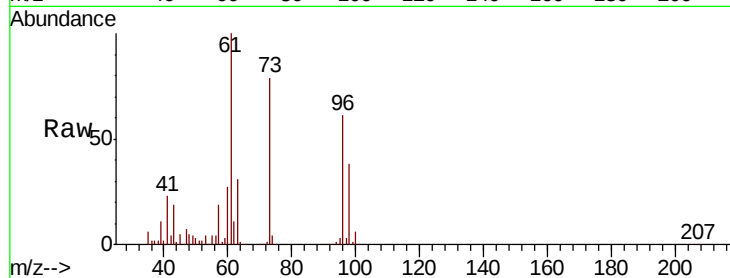
Tgt Ion: 96 Resp: 132492

Ion Ratio Lower Upper

96 100

61 163.2 131.4 197.0

98 62.5 51.4 77.0

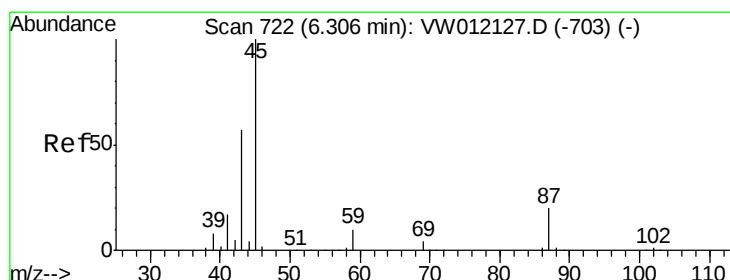
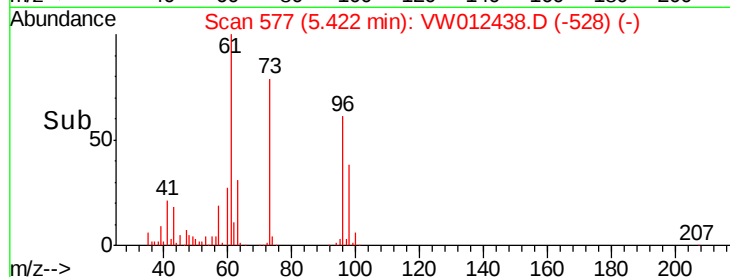
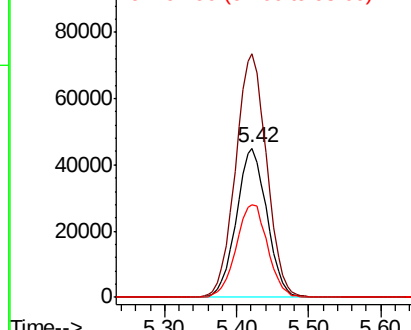


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.604 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion: 45 Resp: 493543

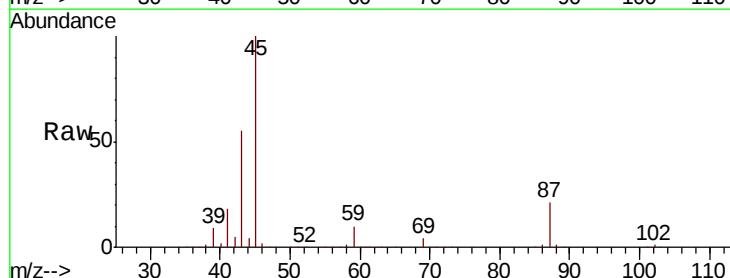
Ion Ratio Lower Upper

45 100

43 54.8 45.5 68.3

87 21.1 16.1 24.1

59 10.3 8.2 12.2



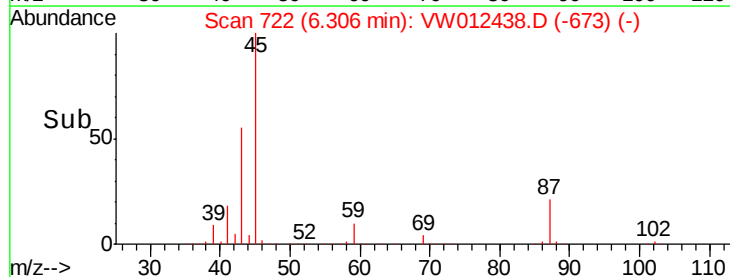
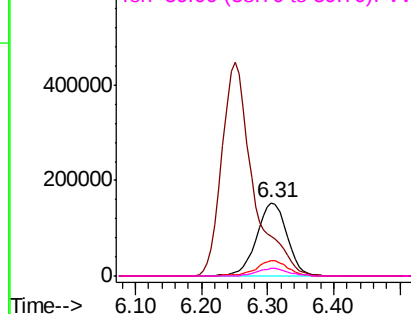
Abundance

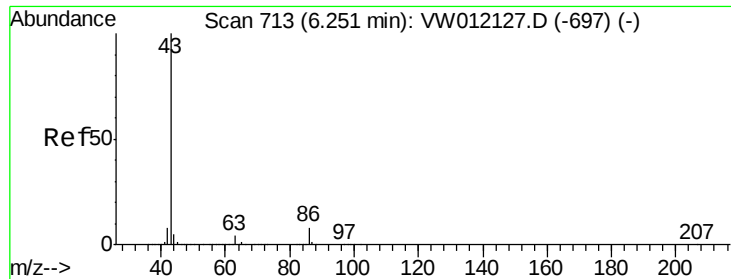
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 244.611 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

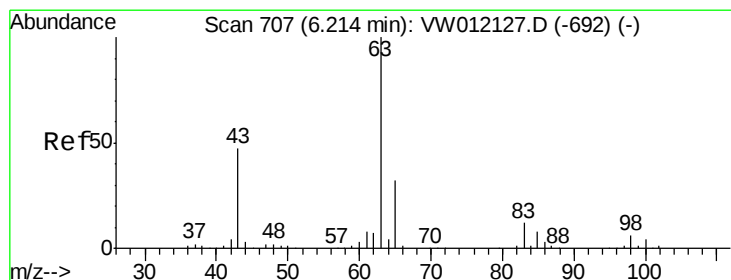
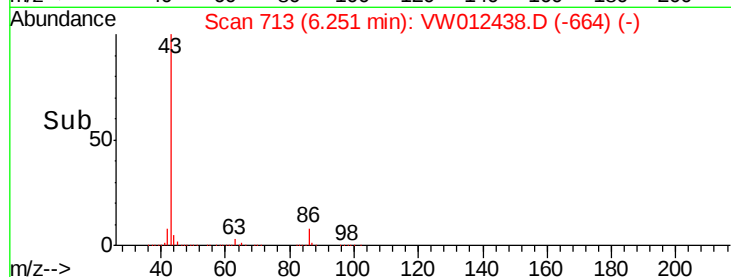
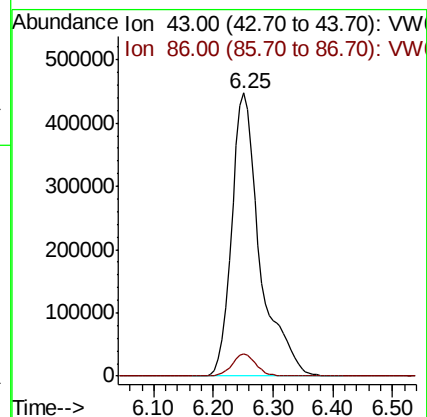
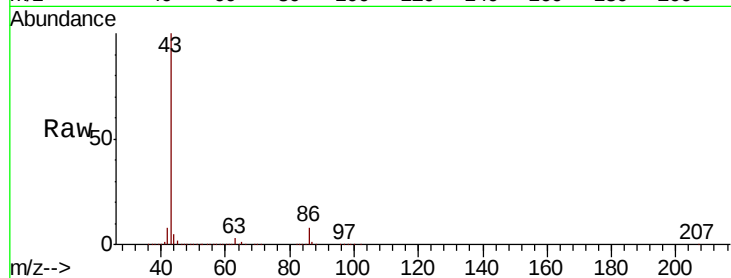
VSTDCCC050

Tgt Ion: 43 Resp: 1468196

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 51.224 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

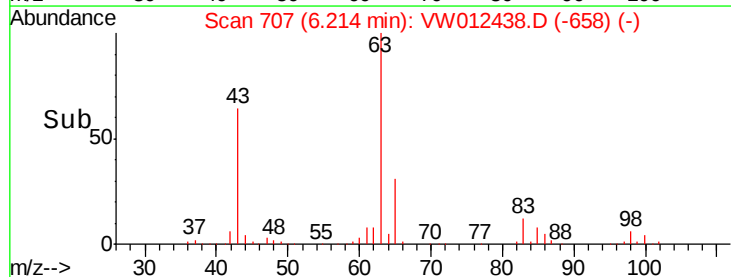
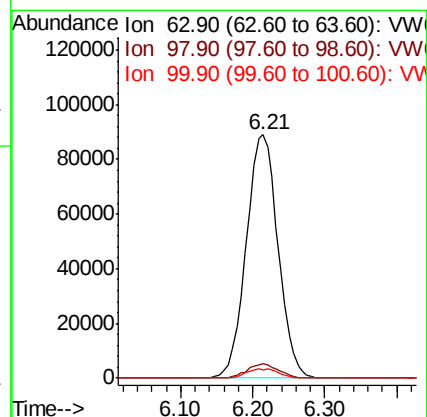
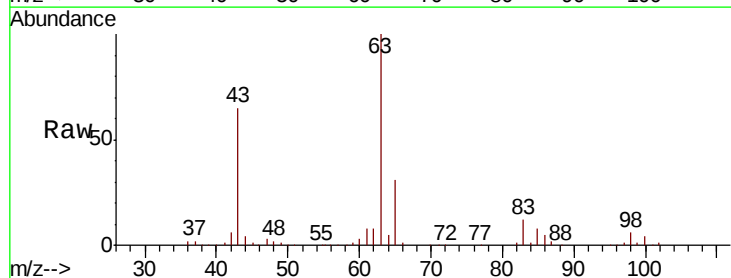
Tgt Ion: 63 Resp: 272018

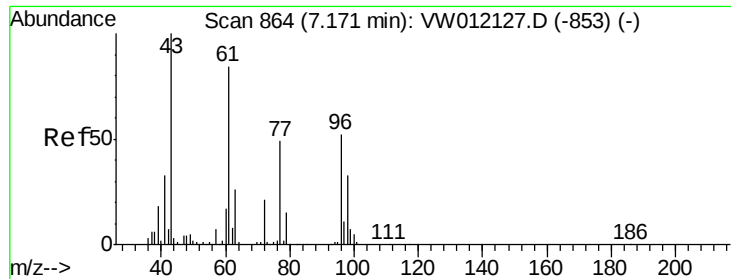
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 230.980 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

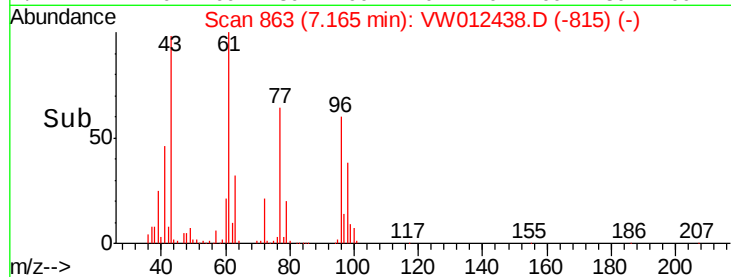
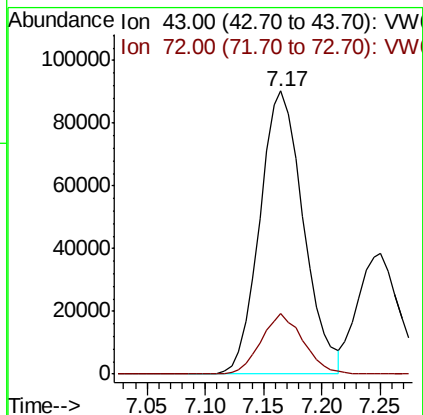
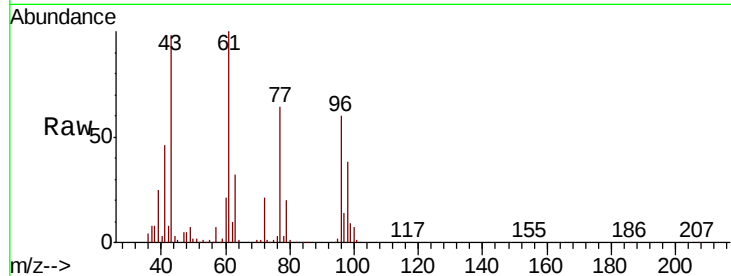
VSTDCCC050

Tgt Ion: 43 Resp: 234031

Ion Ratio Lower Upper

43 100

72 21.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 56.841 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012438.D

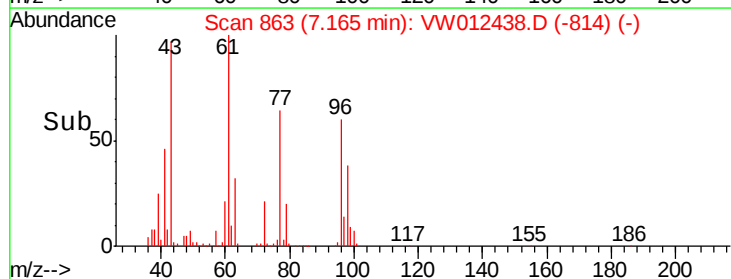
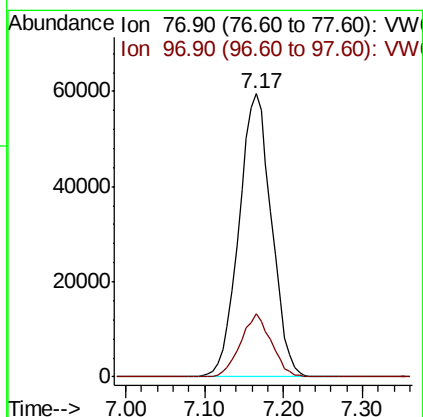
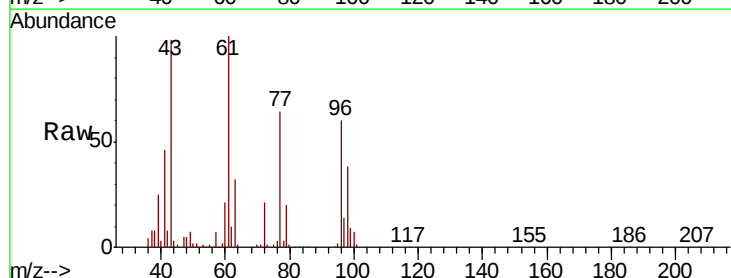
Acq: 01 Sep 2019 10:34

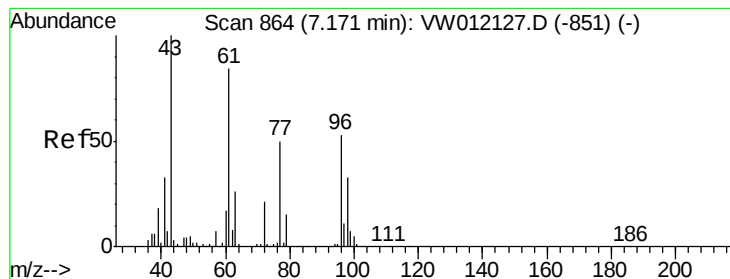
Tgt Ion: 77 Resp: 170849

Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.1



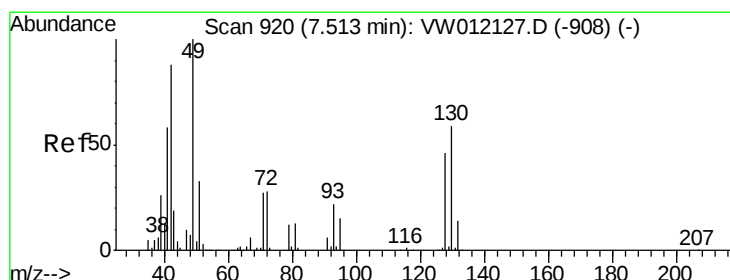
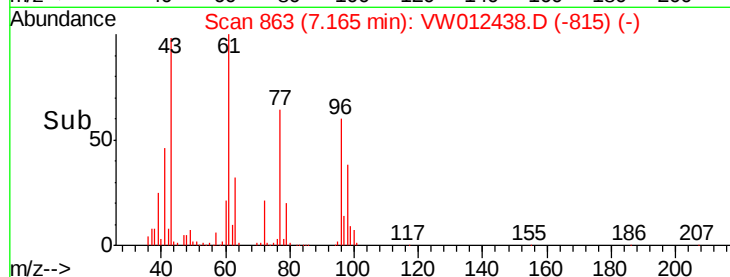
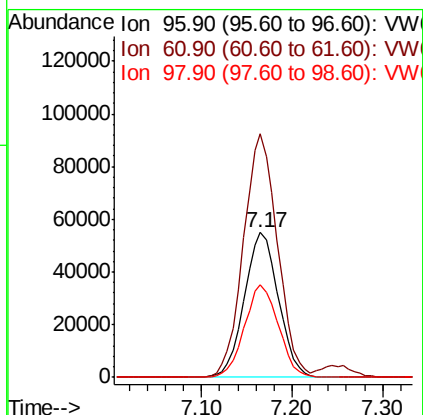
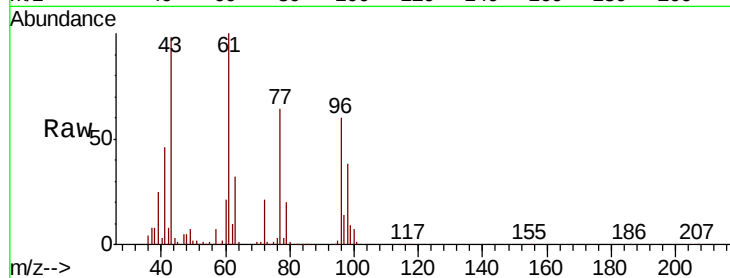


#27

cis-1,2-Dichloroethene
Concen: 50.580 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

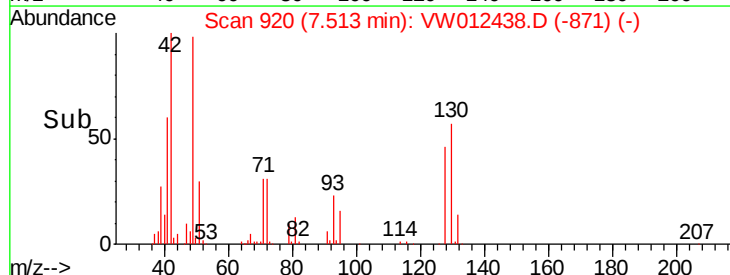
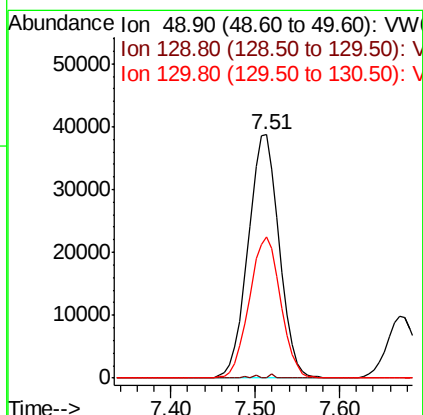
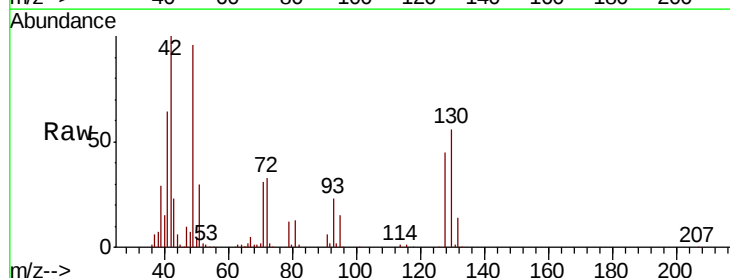
Tgt Ion: 96 Resp: 142628
Ion Ratio Lower Upper
96 100
61 167.8 0.0 326.6
98 63.6 0.0 127.4

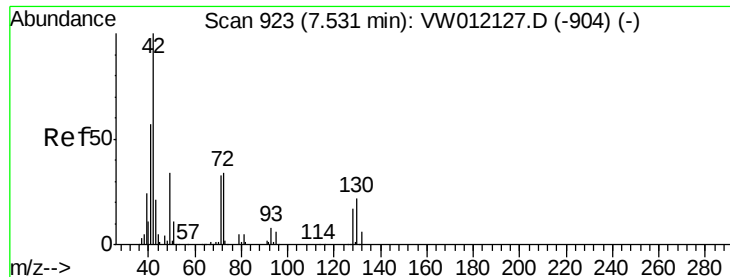


#28

Bromochloromethane
Concen: 41.876 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 49 Resp: 96923
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.4
130 58.4 45.5 68.3





#29

Tetrahydrofuran

Concen: 227.714 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

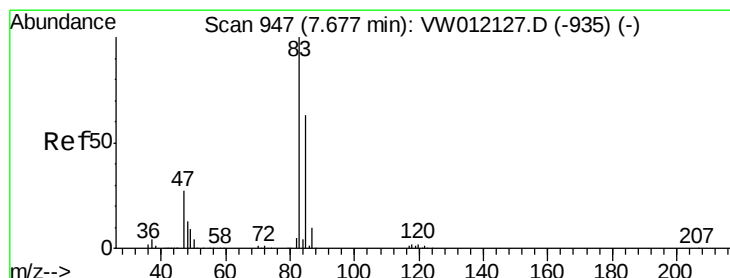
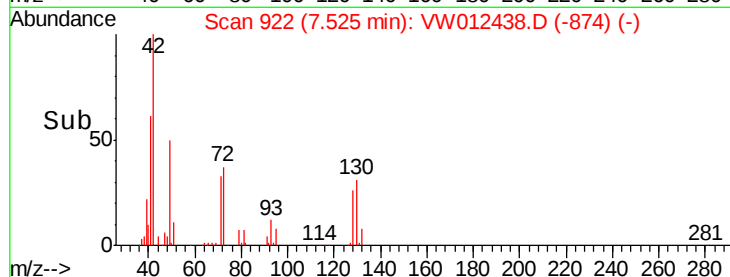
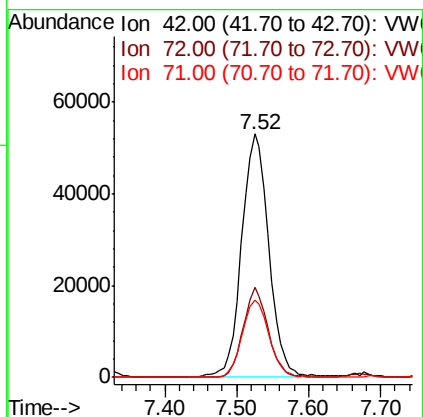
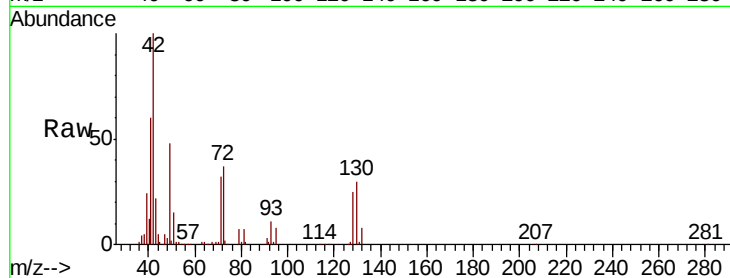
Tgt Ion: 42 Resp: 138423

Ion Ratio Lower Upper

42 100

72 34.1 27.3 40.9

71 31.4 25.5 38.3



#30

Chloroform

Concen: 51.591 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012438.D

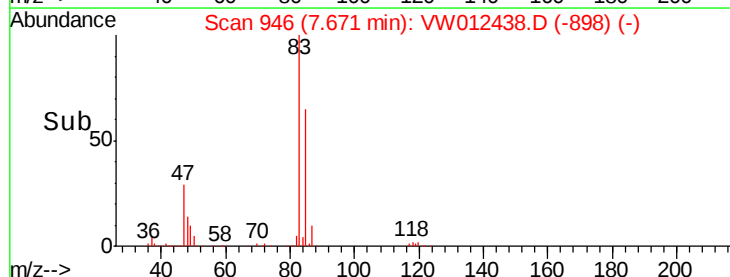
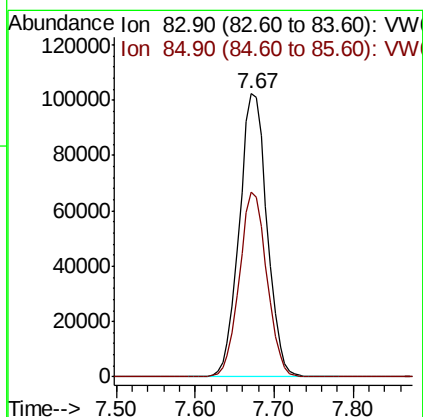
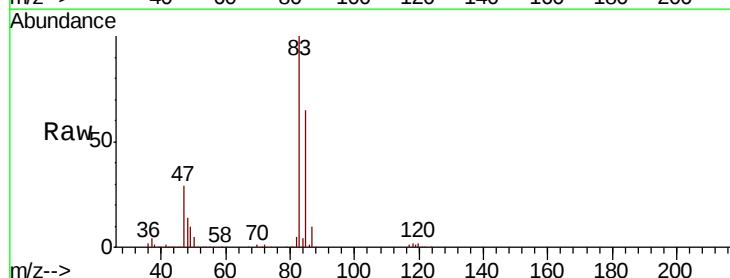
Acq: 01 Sep 2019 10:34

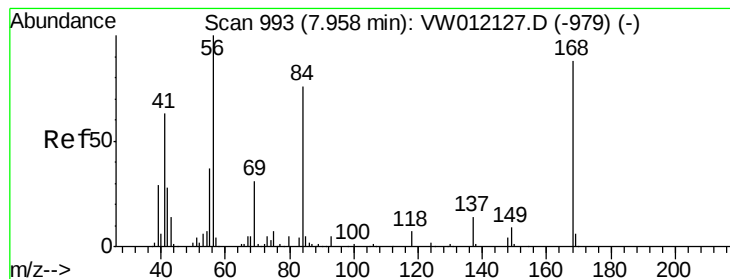
Tgt Ion: 83 Resp: 250653

Ion Ratio Lower Upper

83 100

85 65.3 50.6 76.0





#31

Cyclohexane

Concen: 47.689 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

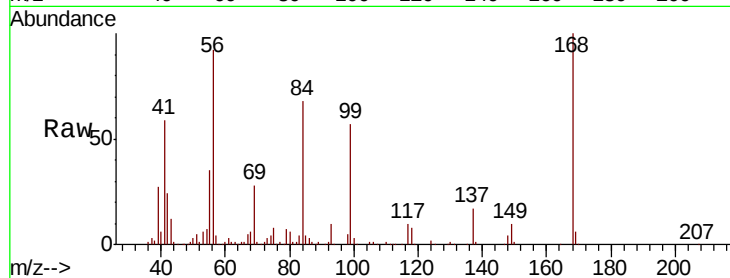
Tgt Ion: 56 Resp: 250554

Ion Ratio Lower Upper

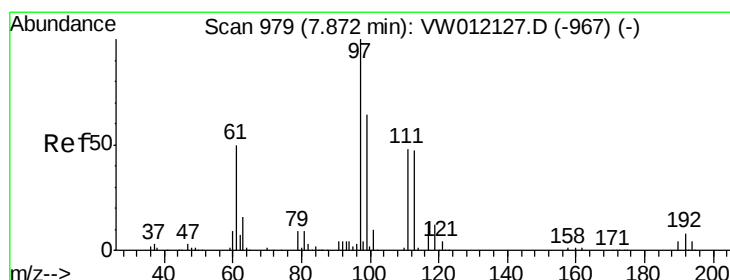
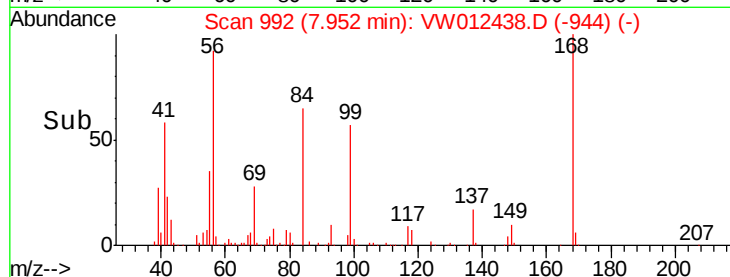
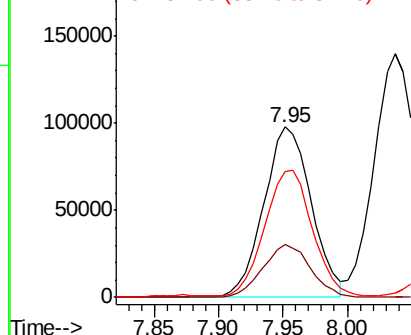
56 100

69 30.7 24.9 37.3

84 72.6 60.6 90.8



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: 55.184 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

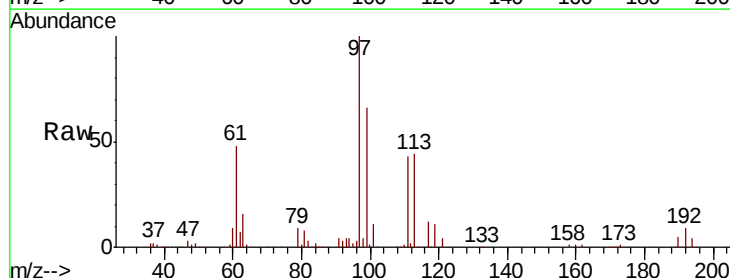
Tgt Ion: 97 Resp: 212096

Ion Ratio Lower Upper

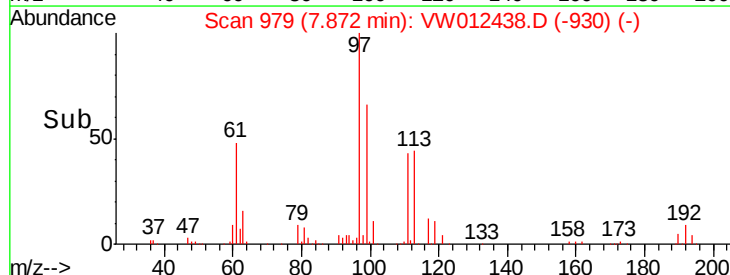
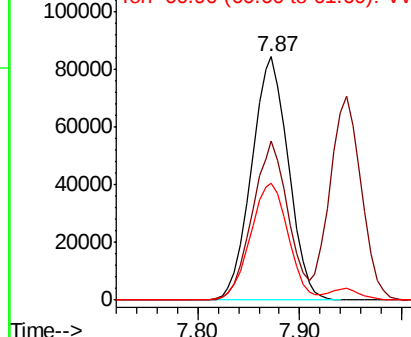
97 100

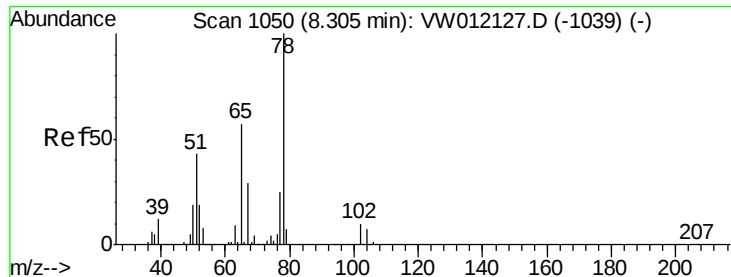
99 63.5 51.4 77.0

61 49.5 39.5 59.3



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

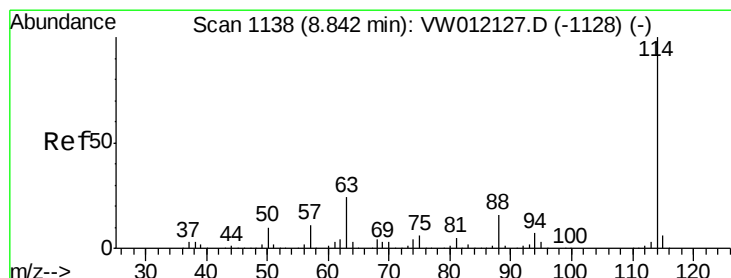
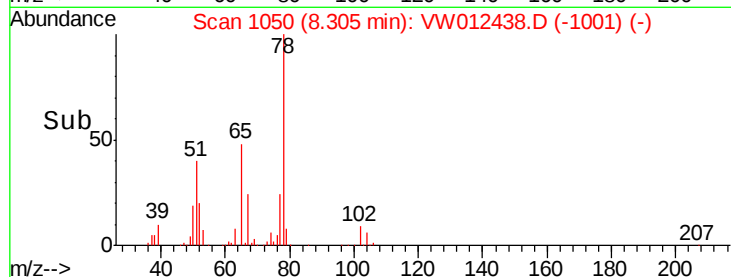
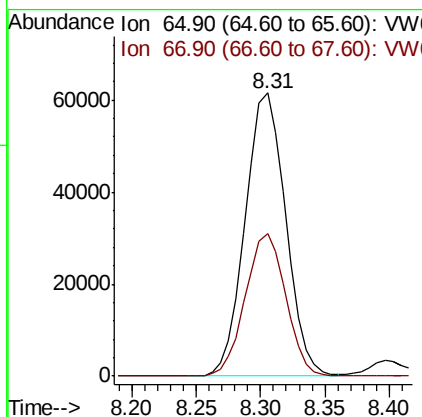
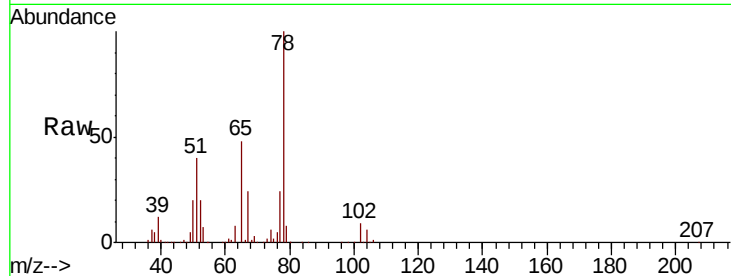




#33
 1,2-Dichloroethane-d4
 Concen: 45.959 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

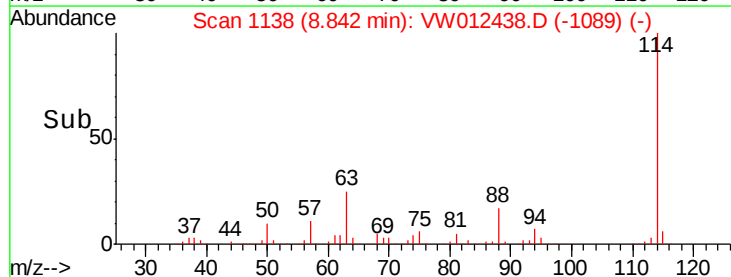
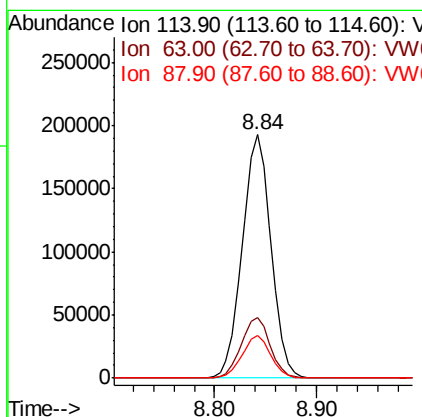
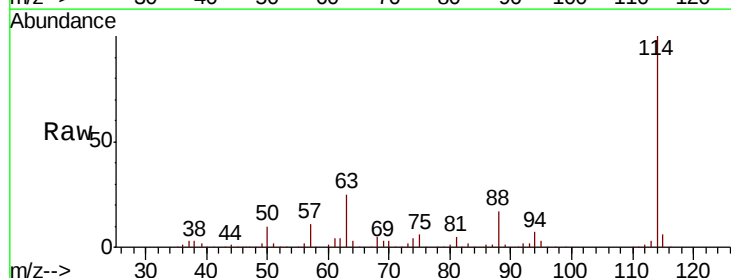
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

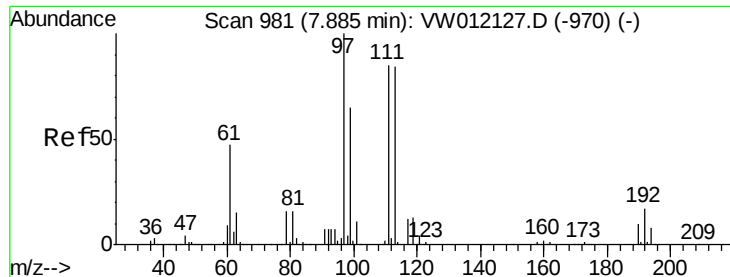
Tgt Ion: 65 Resp: 134057
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 114 Resp: 376377
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 17.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.942 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

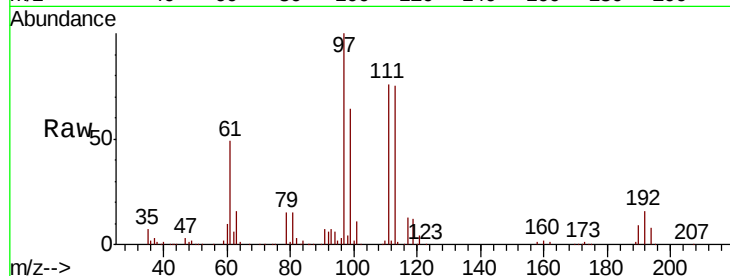
Tgt Ion:113 Resp: 107706

Ion Ratio Lower Upper

113 100

111 101.8 82.7 124.1

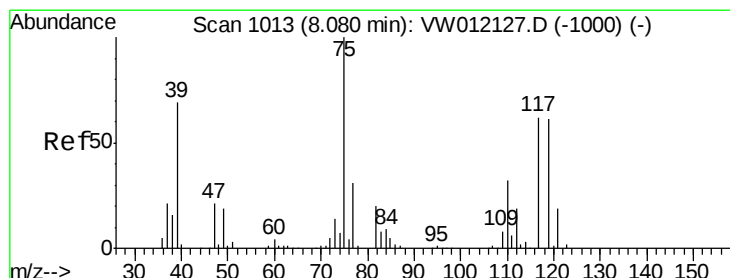
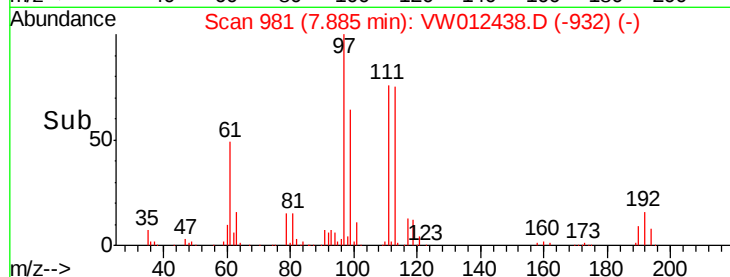
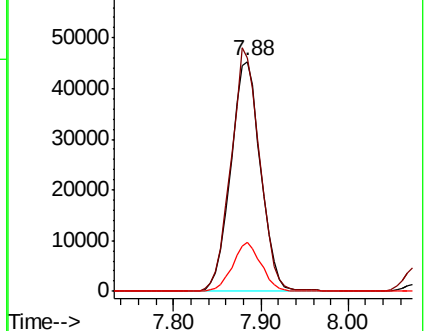
192 20.4 16.2 24.2



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: 54.258 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

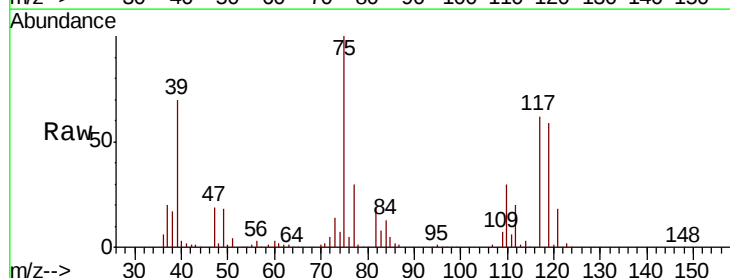
Tgt Ion: 75 Resp: 211031

Ion Ratio Lower Upper

75 100

110 30.9 15.6 46.8

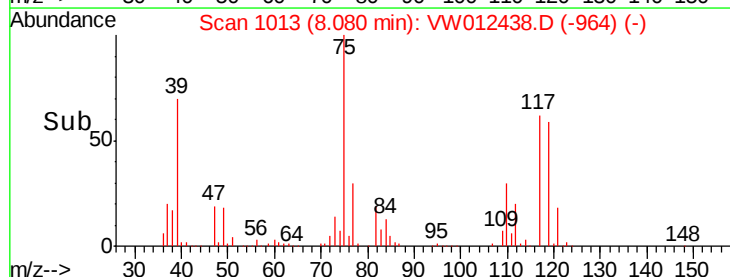
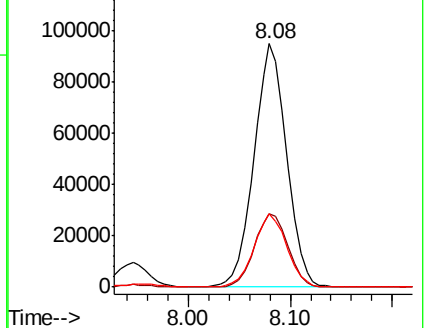
77 30.4 24.6 36.8



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

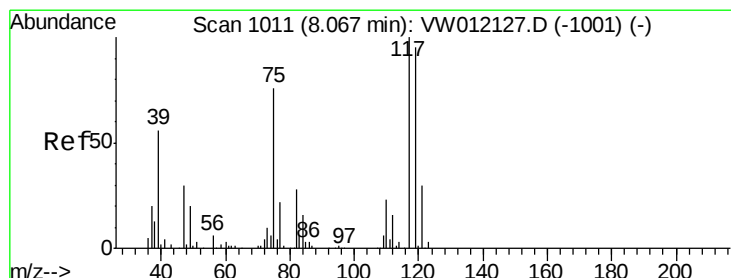
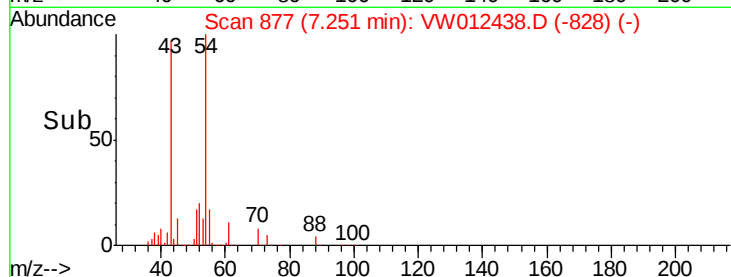
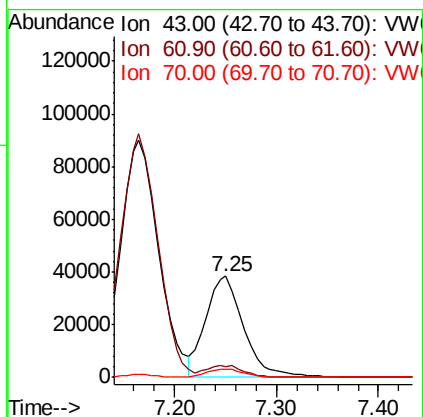
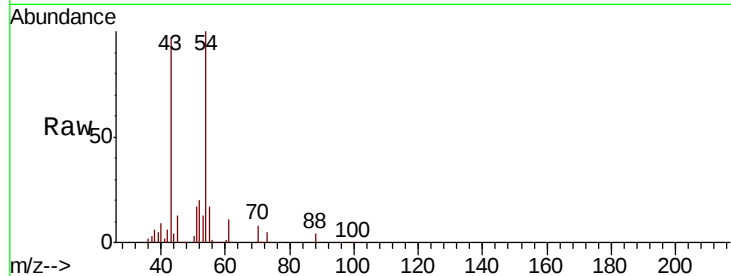




#37
Ethyl Acetate
Concen: 45.870 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

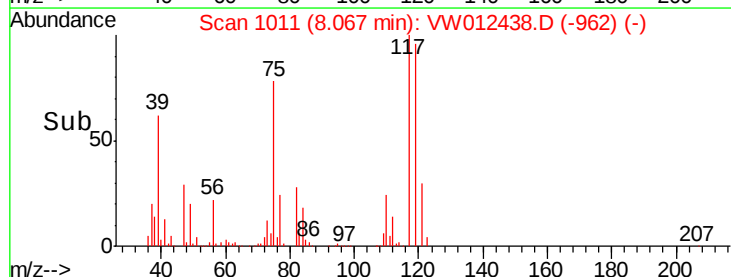
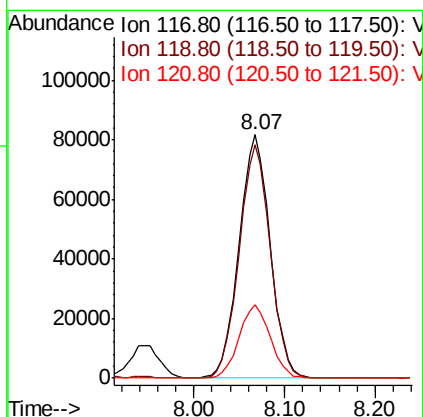
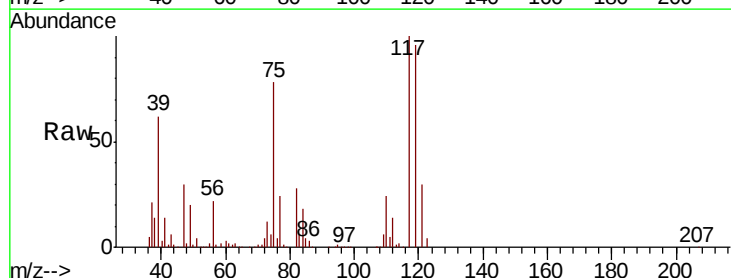
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

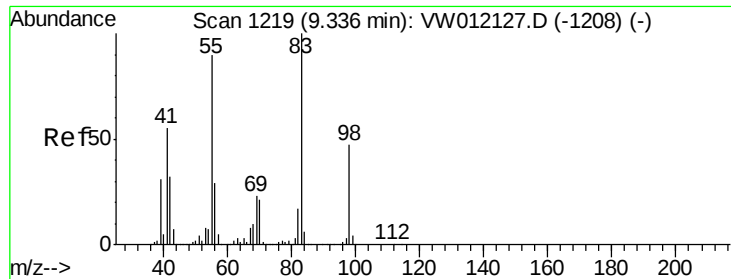
Tgt Ion: 43 Resp: 97764
Ion Ratio Lower Upper
43 100
61 11.7 9.2 13.8
70 8.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 57.471 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 117 Resp: 193469
Ion Ratio Lower Upper
117 100
119 95.7 76.2 114.2
121 29.9 23.8 35.8

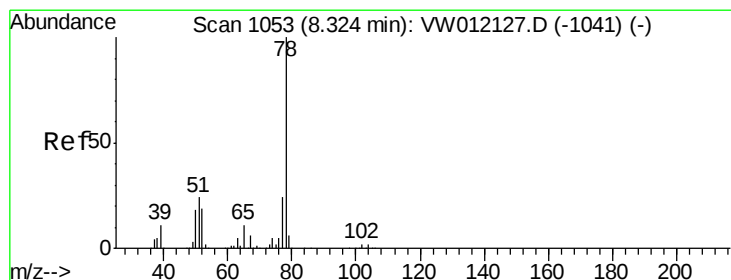
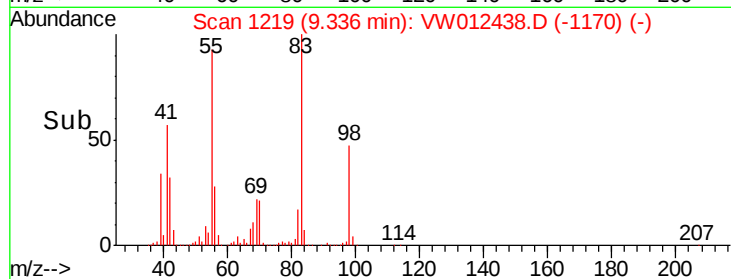
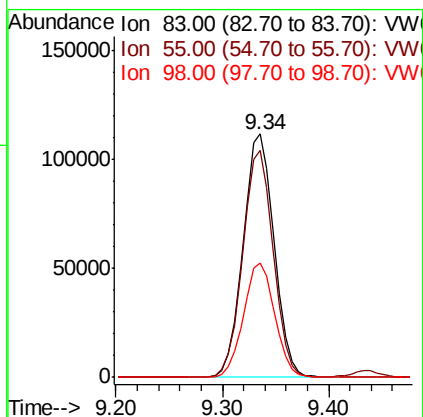
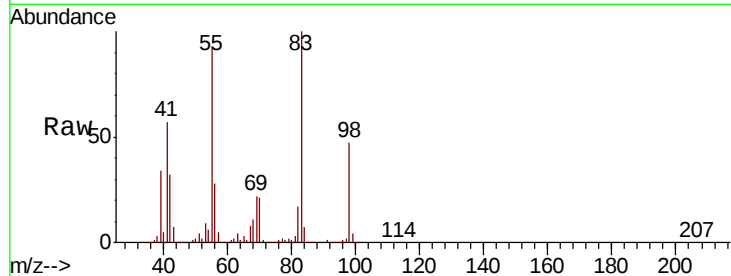




#39
Methylcyclohexane
Concen: 52.433 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

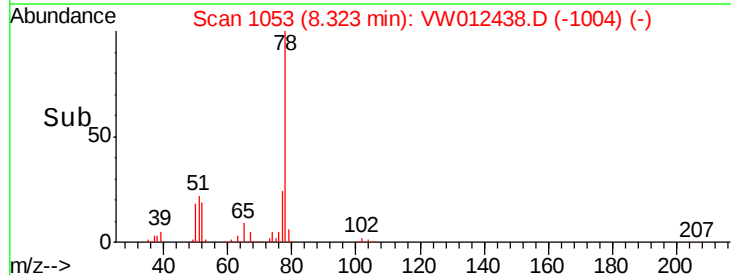
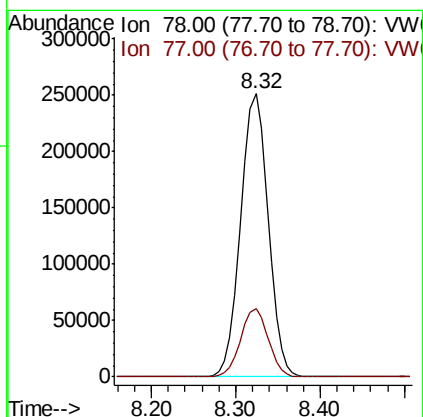
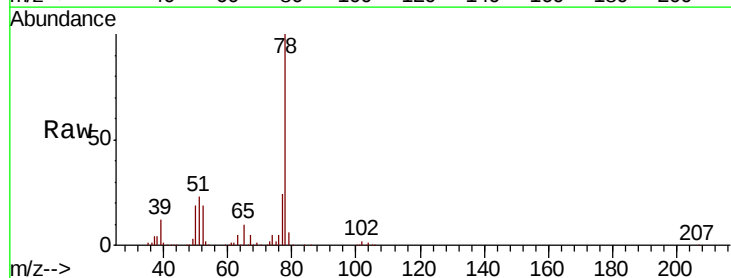
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tgt Ion: 83 Resp: 229105
Ion Ratio Lower Upper
83 100
55 93.5 71.8 107.8
98 47.1 37.8 56.8



#40
Benzene
Concen: 52.042 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 78 Resp: 552707
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3





#41

Methacrylonitrile

Concen: 50.818 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 63658

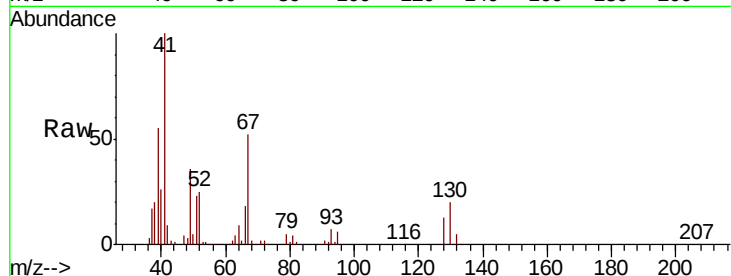
Ion Ratio Lower Upper

41 100

39 53.3 45.8 68.8

67 54.3 46.2 69.4

52 26.2 21.0 31.6



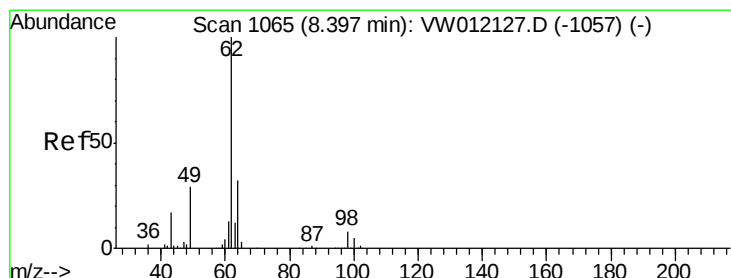
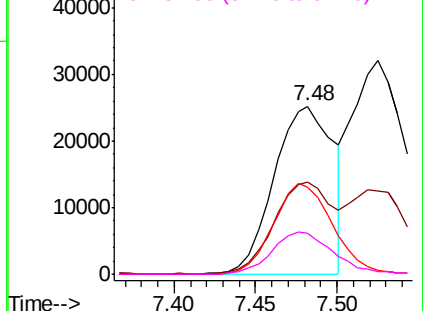
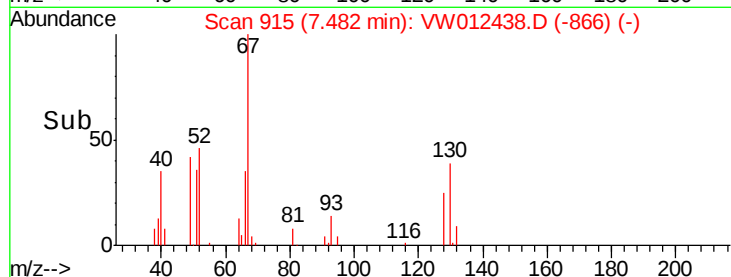
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 53.485 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012438.D

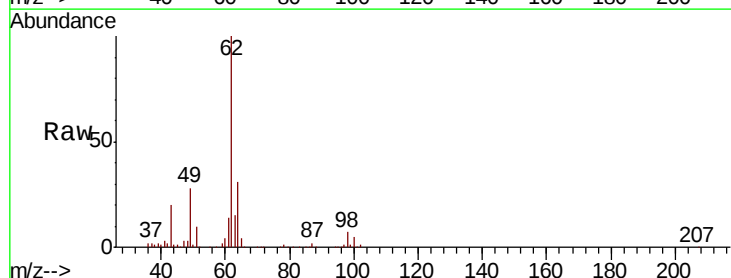
Acq: 01 Sep 2019 10:34

Tgt Ion: 62 Resp: 178024

Ion Ratio Lower Upper

62 100

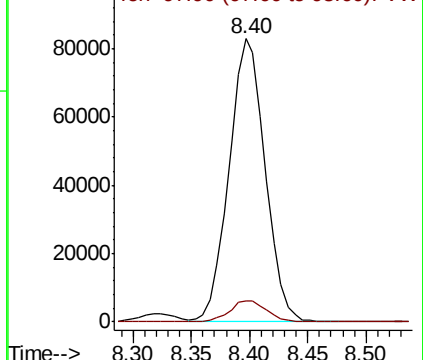
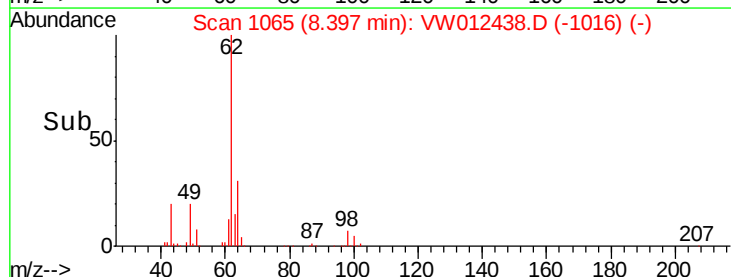
98 7.7 0.0 16.6

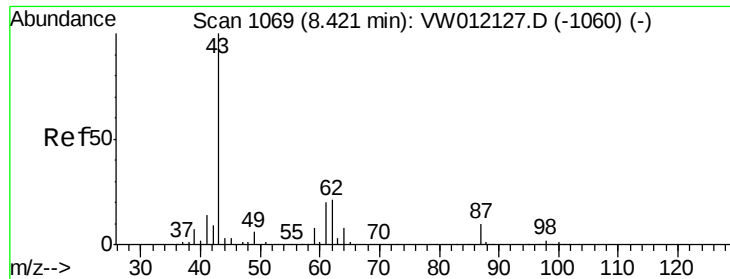


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.341 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

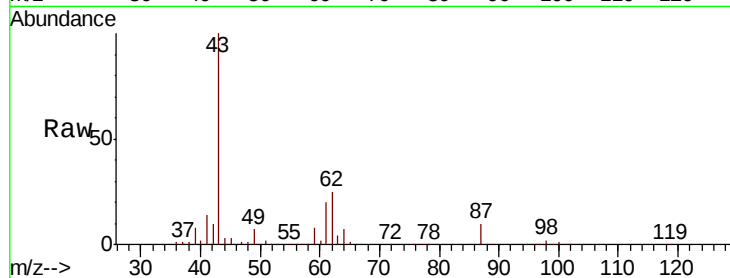
Tgt Ion: 43 Resp: 186899

Ion Ratio Lower Upper

43 100

61 27.2 21.1 31.7

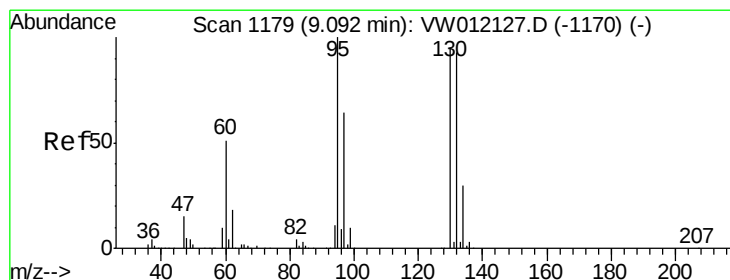
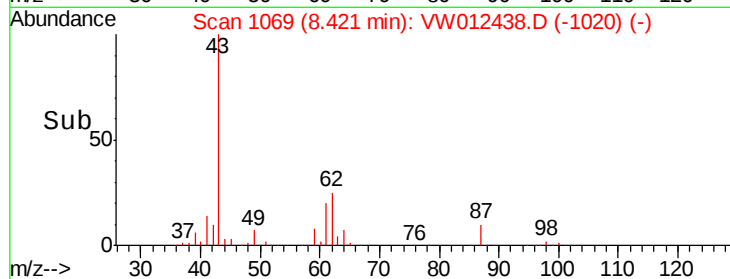
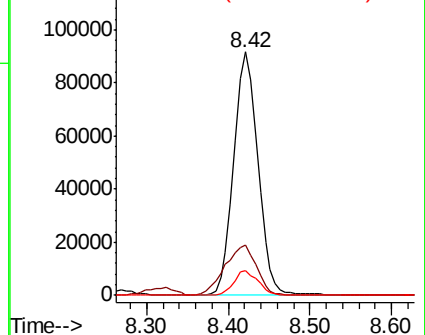
87 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 53.762 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012438.D

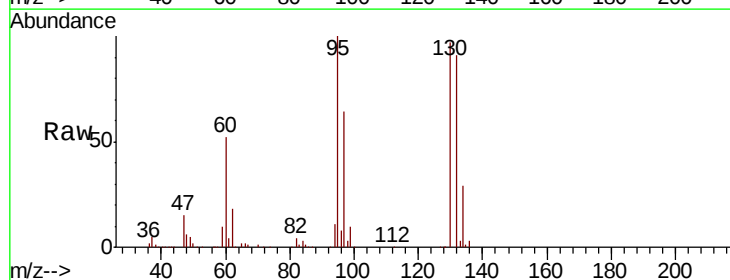
Acq: 01 Sep 2019 10:34

Tgt Ion: 130 Resp: 138801

Ion Ratio Lower Upper

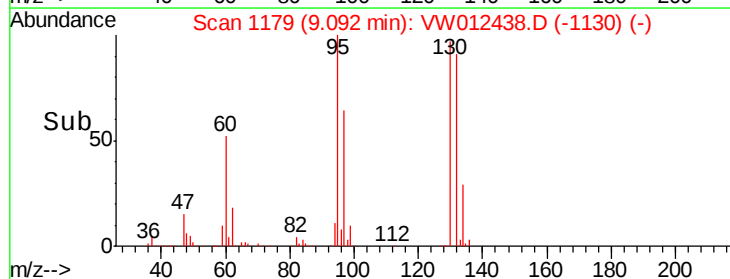
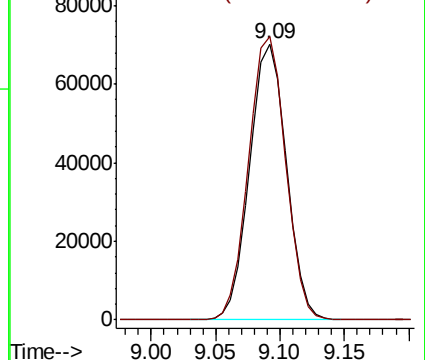
130 100

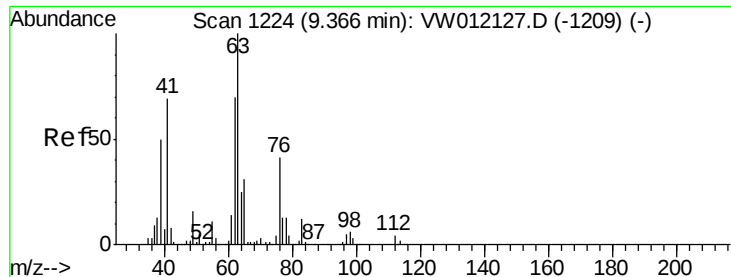
95 102.6 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 51.167 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

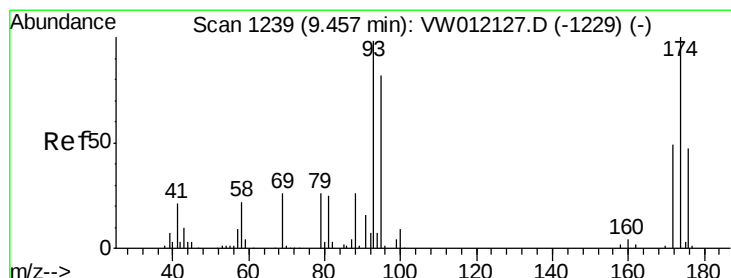
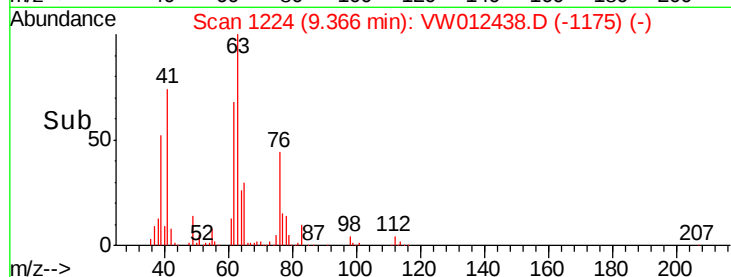
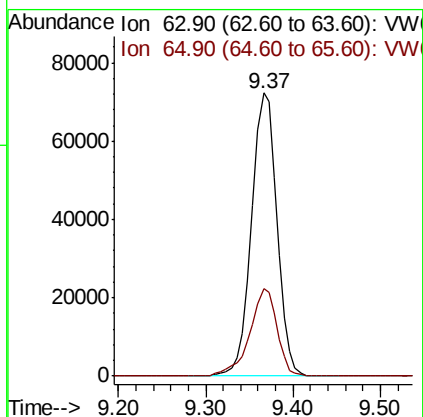
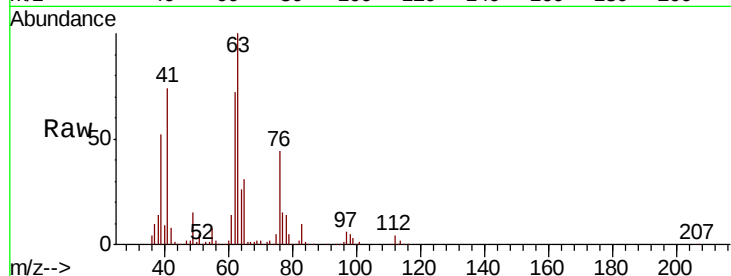
VSTDCCC050

Tgt Ion: 63 Resp: 146249

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.4



#46

Dibromomethane

Concen: 49.935 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

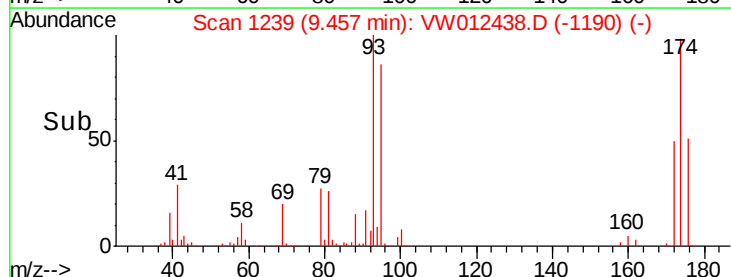
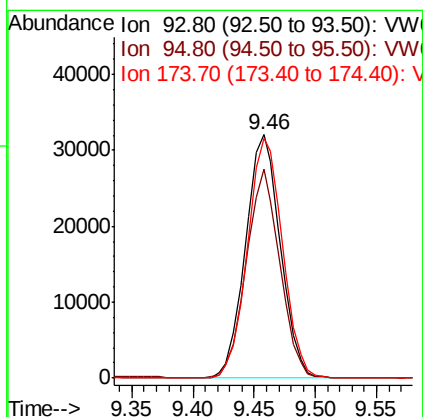
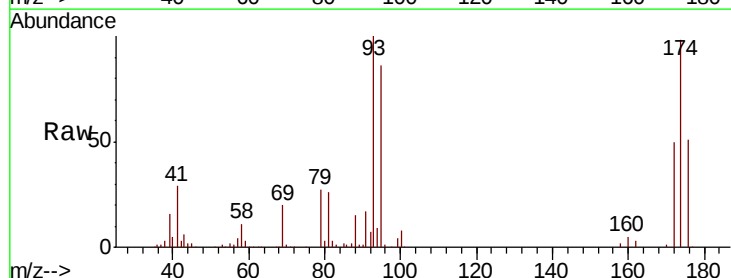
Tgt Ion: 93 Resp: 63504

Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 99.4 79.0 118.6





#47

Bromodichloromethane

Concen: 53.439 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

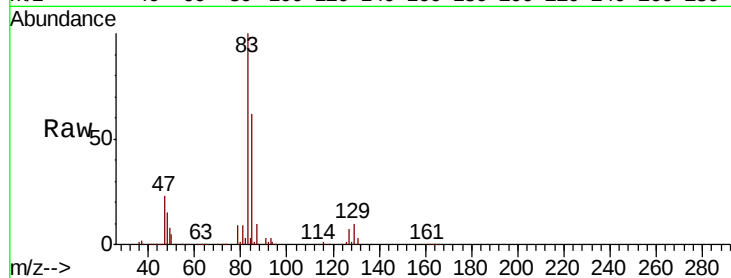
Tgt Ion: 83 Resp: 180868

Ion Ratio Lower Upper

83 100

85 62.2 49.4 74.2

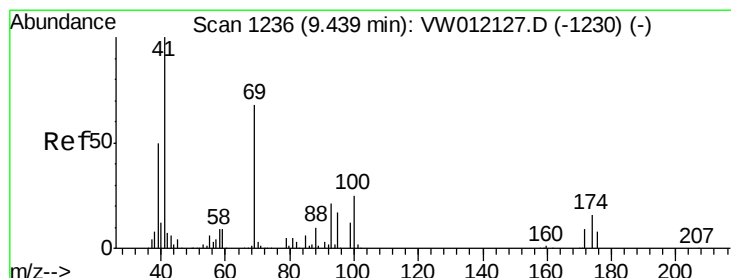
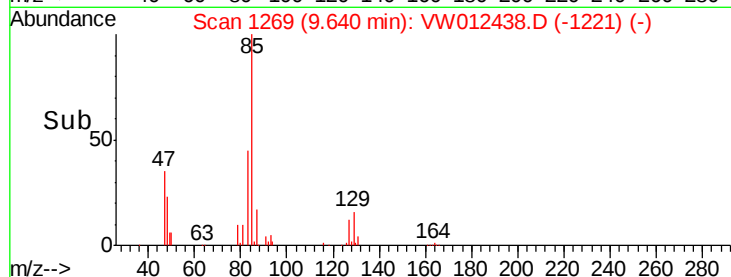
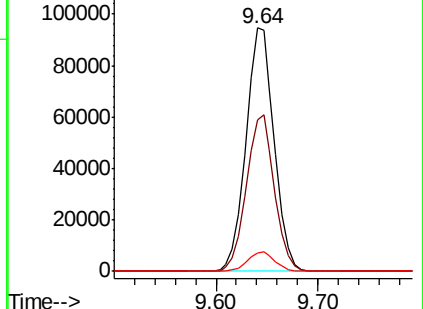
127 7.4 6.1 9.1



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: 49.072 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

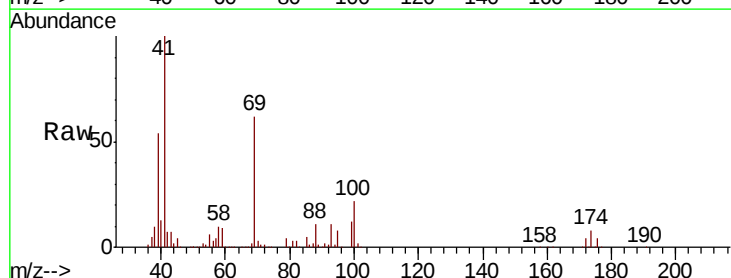
Tgt Ion: 41 Resp: 92206

Ion Ratio Lower Upper

41 100

69 69.0 56.7 85.1

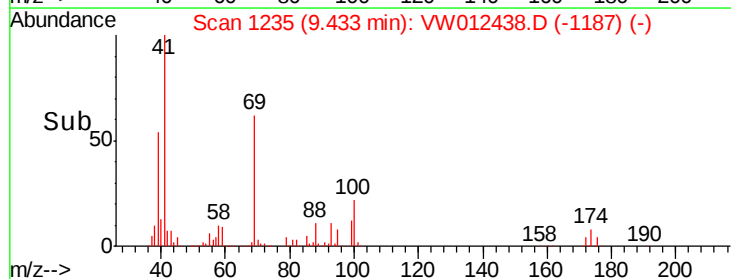
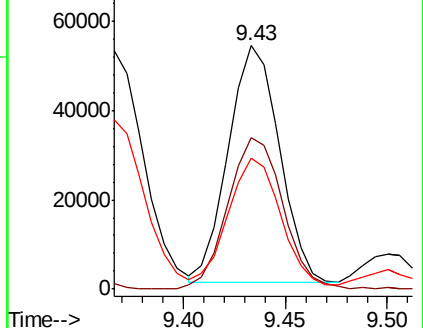
39 54.4 42.0 63.0

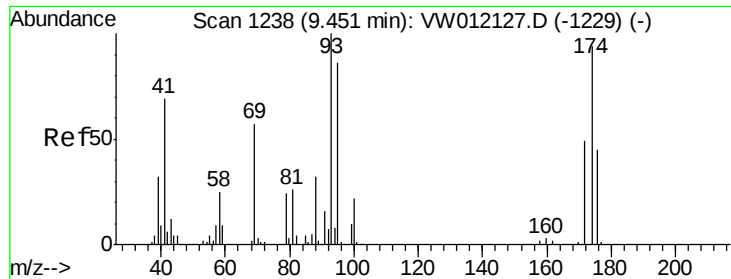


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 905.304 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

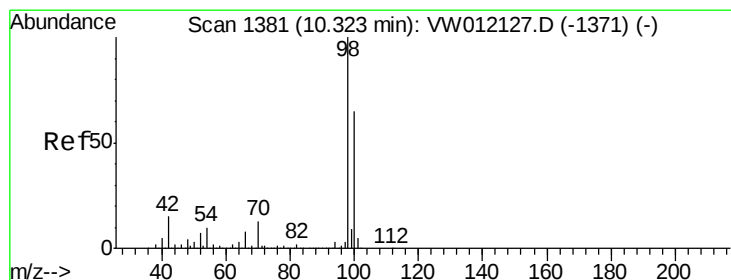
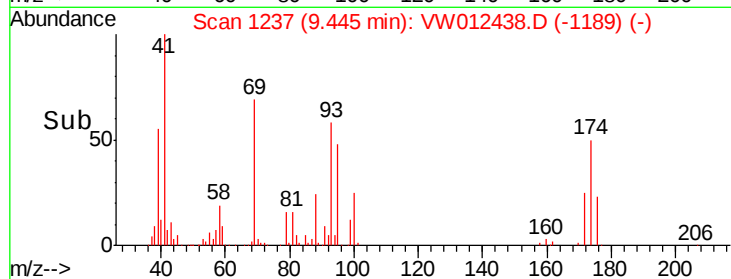
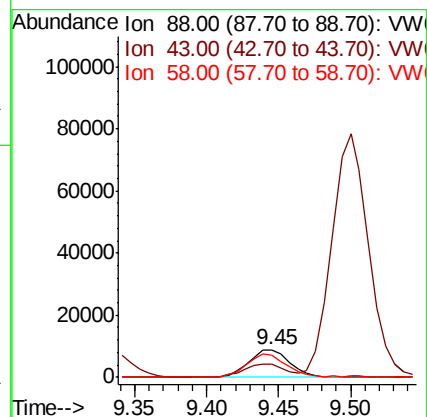
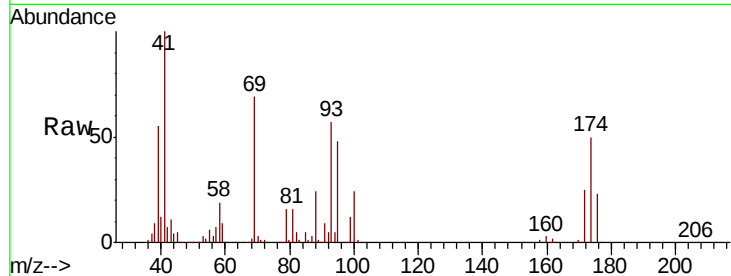
Tgt Ion: 88 Resp: 17625

Ion Ratio Lower Upper

88 100

43 46.2 32.9 49.3

58 80.9 71.0 106.4



#50

Toluene-d8

Concen: 47.153 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012438.D

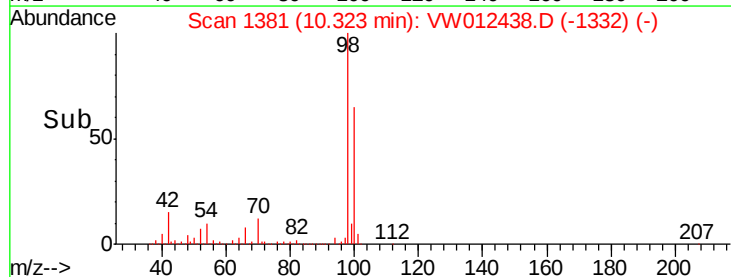
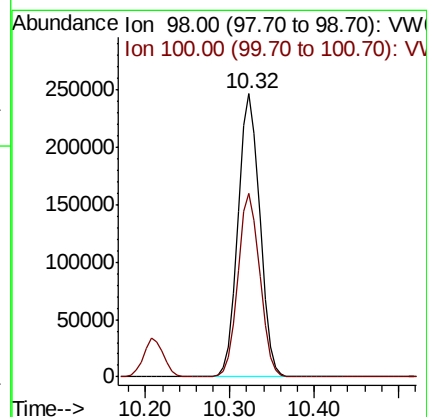
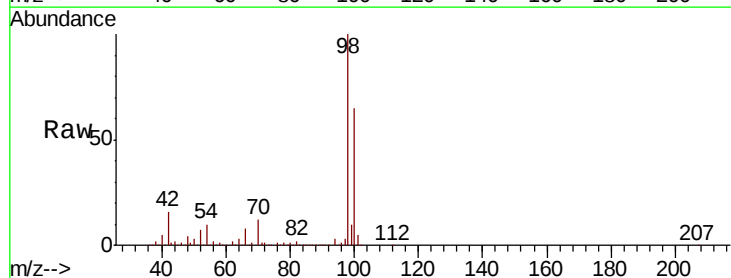
Acq: 01 Sep 2019 10:34

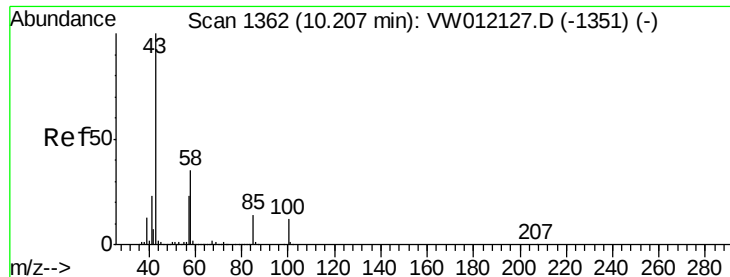
Tgt Ion: 98 Resp: 429533

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6

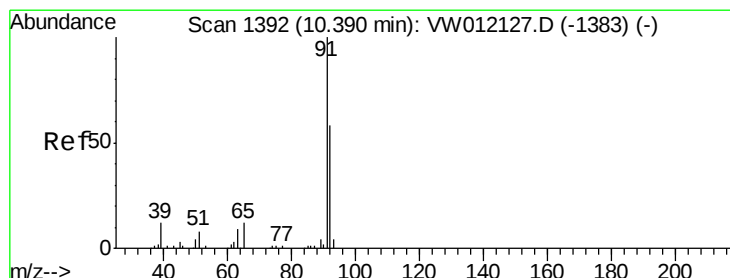
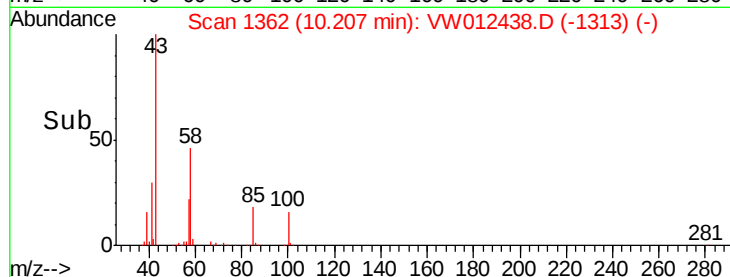
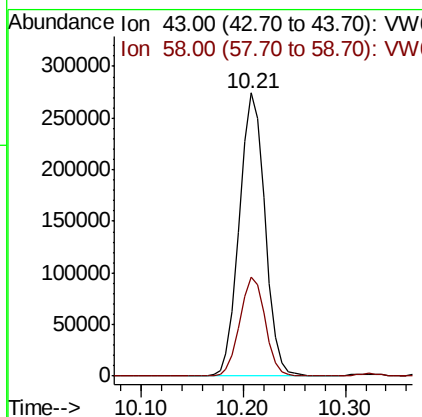
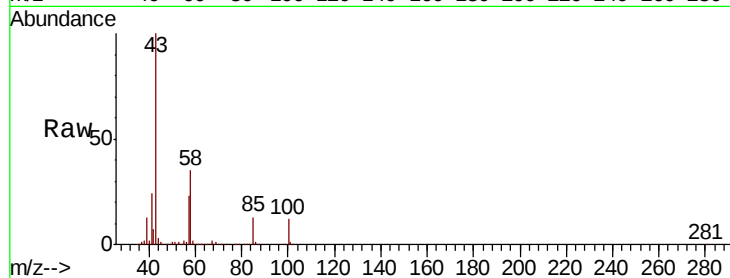




#51
 4-Methyl-2-Pentanone
 Concen: 237.852 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

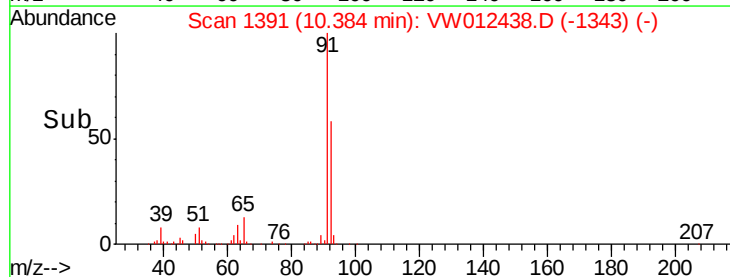
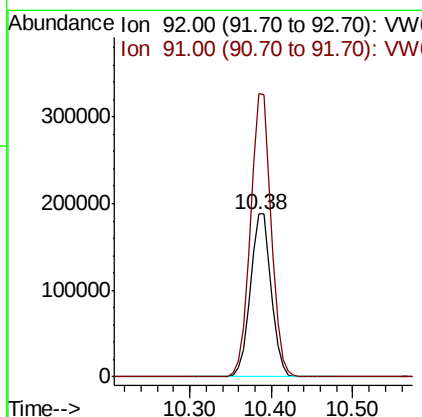
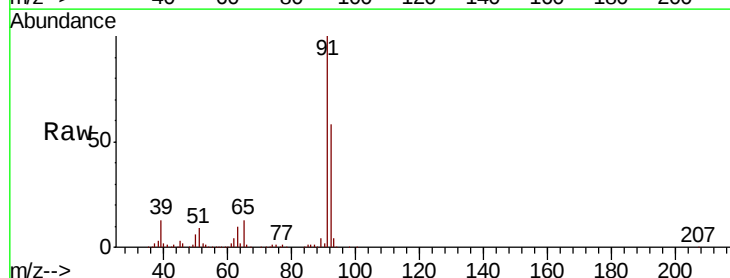
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 477614
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.2 42.2



#52
 Toluene
 Concen: 53.059 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 92 Resp: 338520
 Ion Ratio Lower Upper
 92 100
 91 172.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 53.322 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

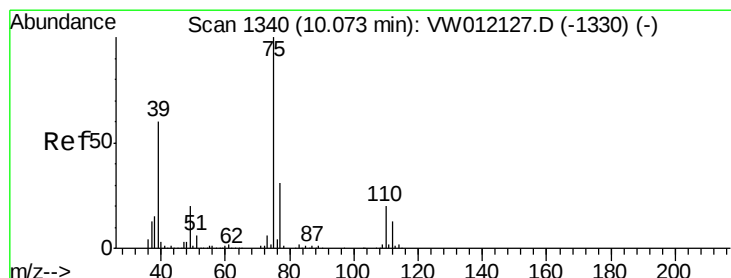
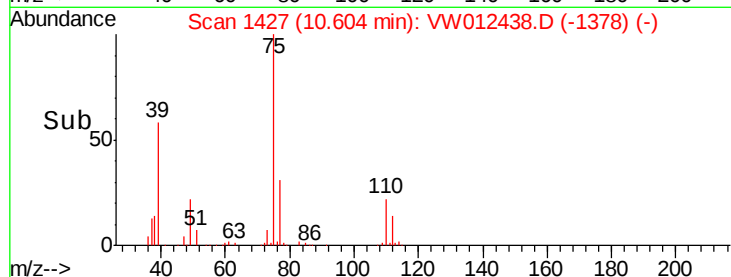
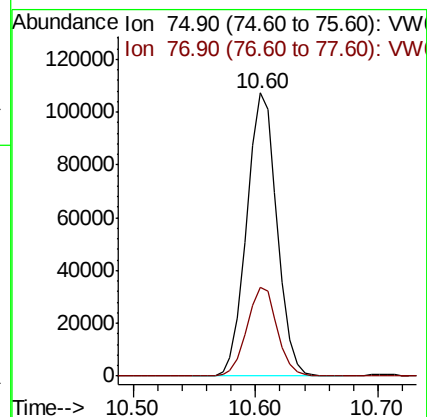
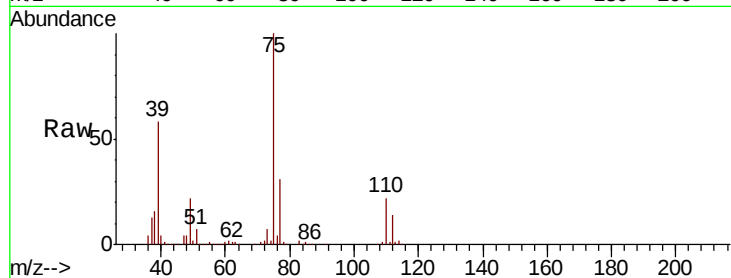
VSTDCCC050

Tgt Ion: 75 Resp: 183836

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.260 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

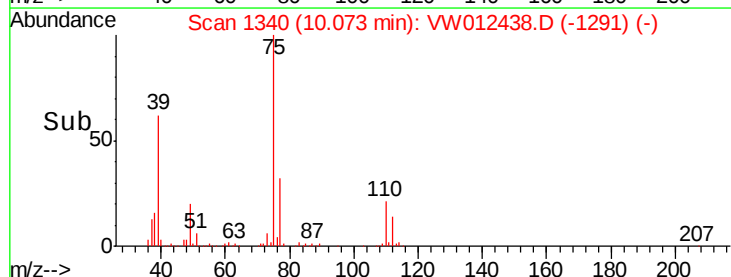
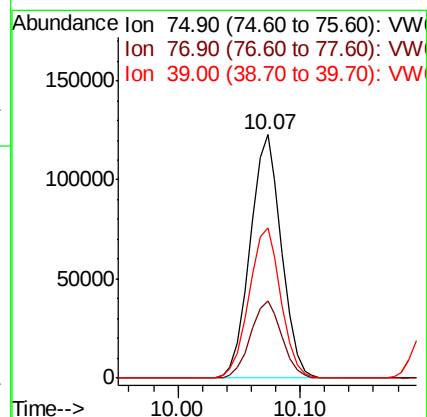
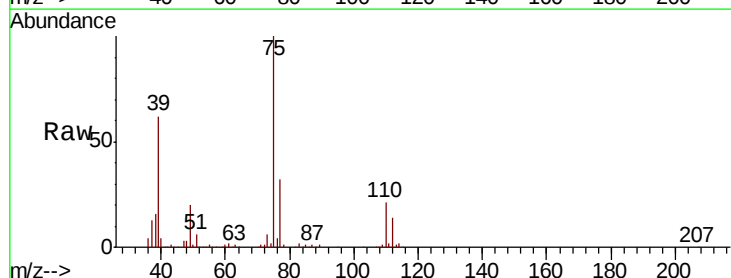
Tgt Ion: 75 Resp: 217550

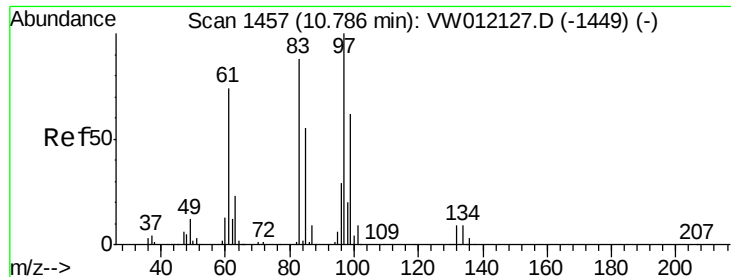
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 61.5 48.3 72.5

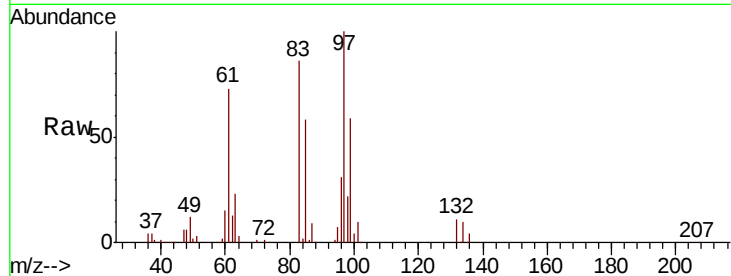




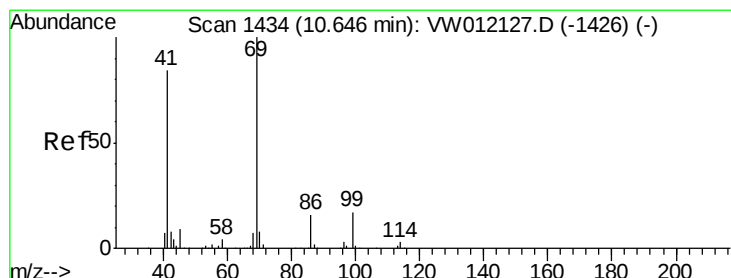
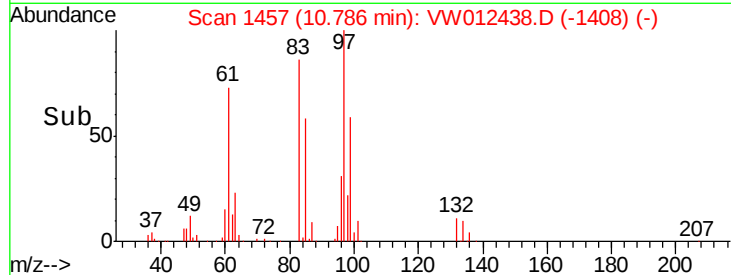
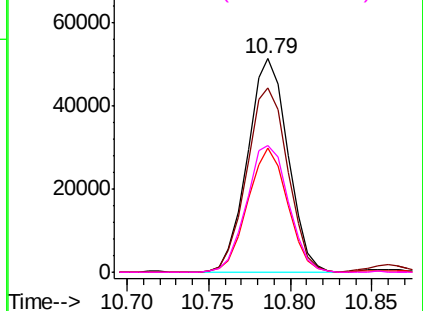
#55
 1,1,2-Trichloroethane
 Concen: 49.480 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	89030
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.8	106.2
85	58.2	43.8	65.8
99	59.1	49.8	74.6

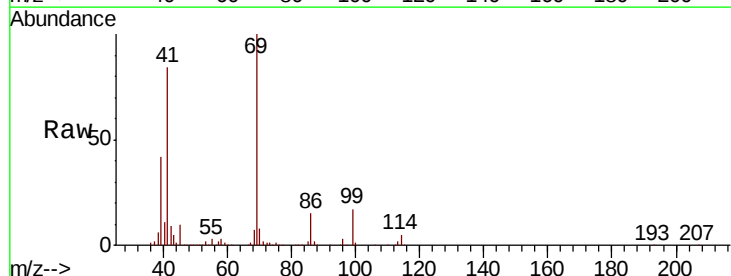


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

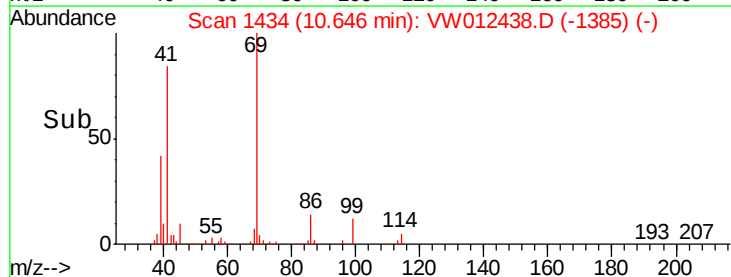
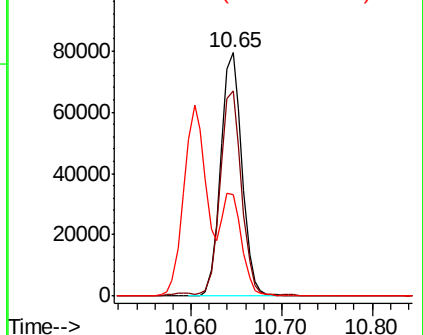


#56
 Ethyl methacrylate
 Concen: 49.742 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion:	69	Resp:	130262
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	39.0	31.0	46.4



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

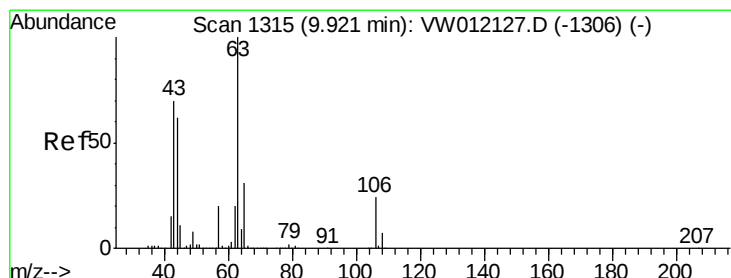
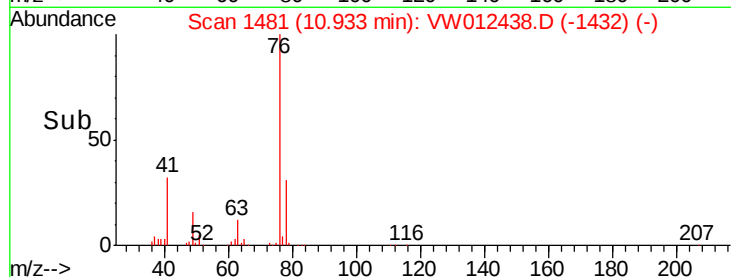
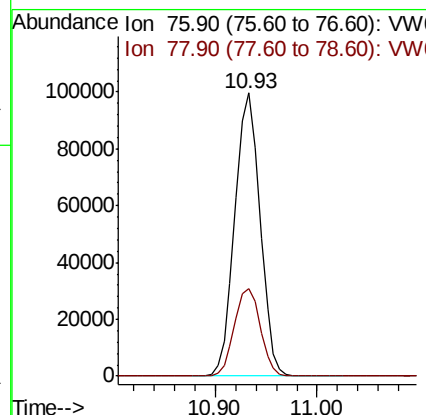
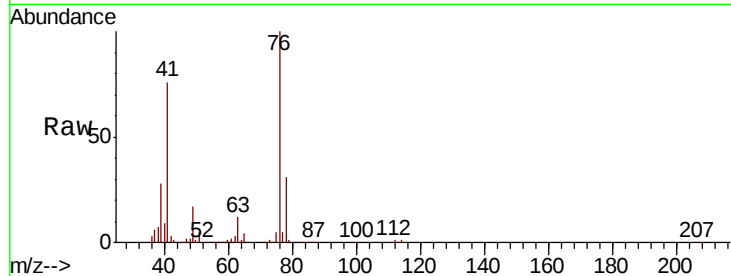




#57
 1,3-Dichloropropane
 Concen: 50.182 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

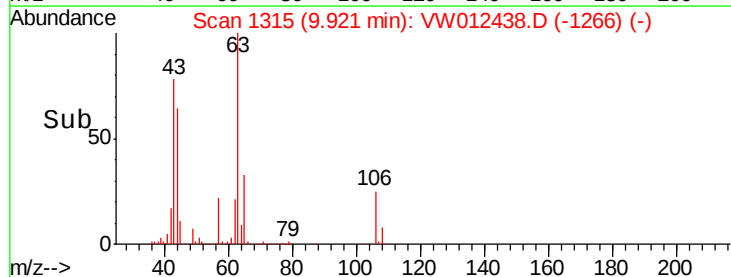
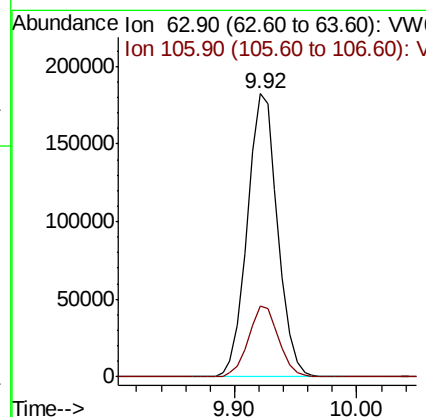
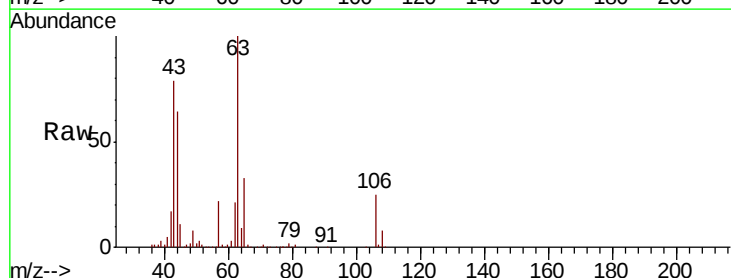
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 170630
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.931 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 63 Resp: 313060
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.8 29.8

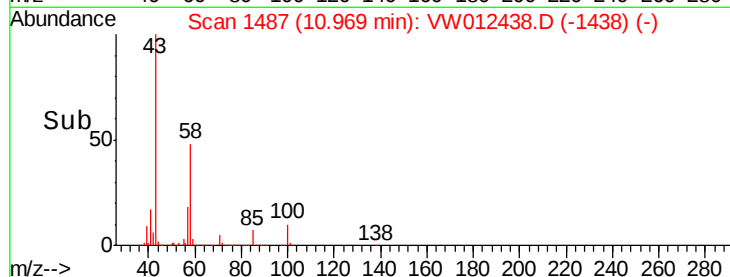
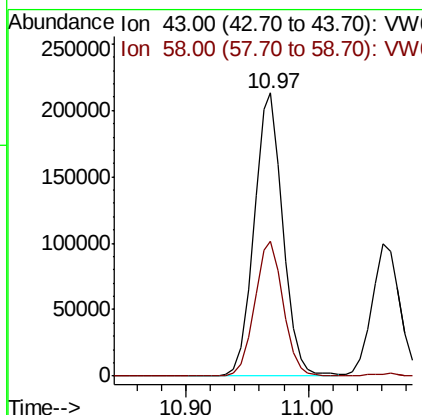
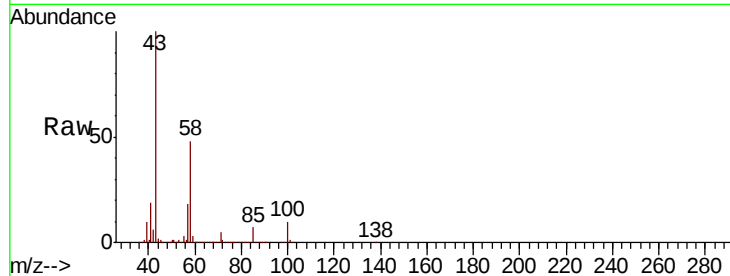




#59
2-Hexanone
Concen: 244.786 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

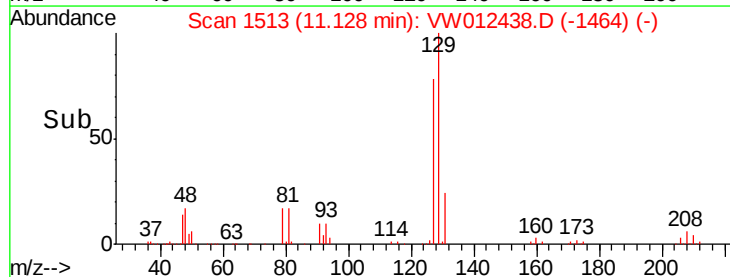
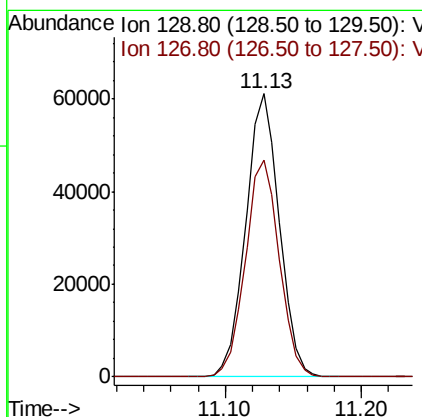
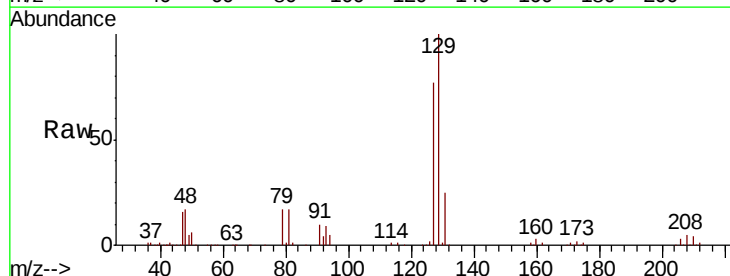
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

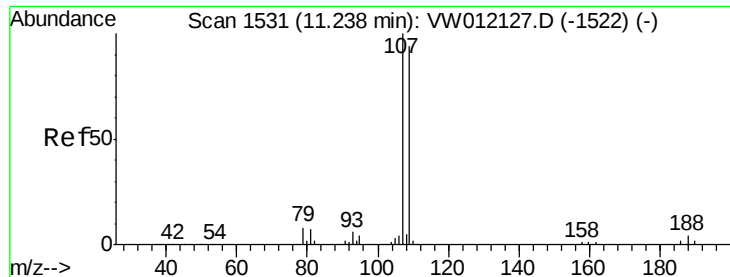
Tgt Ion: 43 Resp: 347795
Ion Ratio Lower Upper
43 100
58 47.6 24.3 72.9



#60
Dibromochloromethane
Concen: 52.572 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 129 Resp: 105361
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.954 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

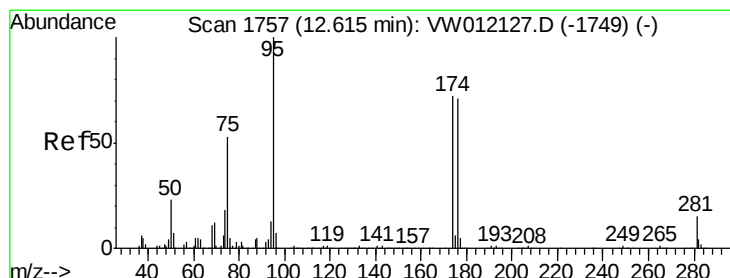
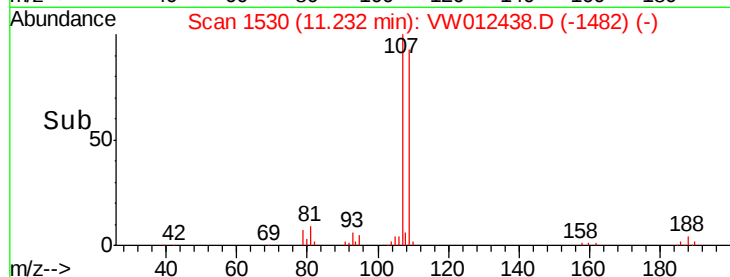
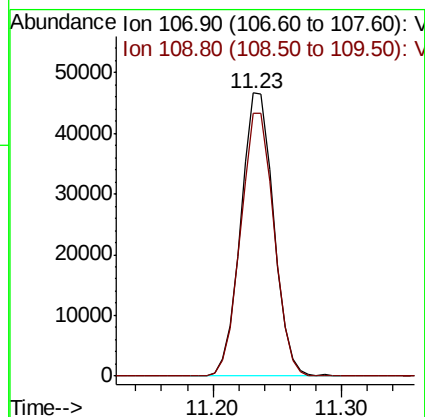
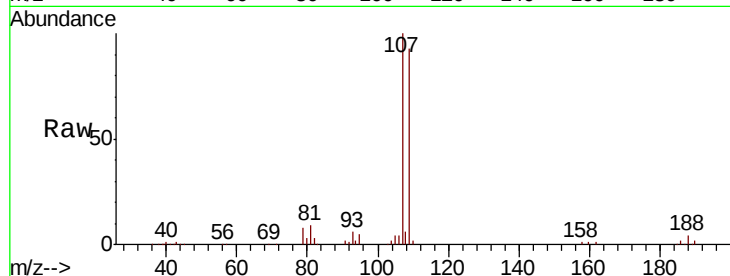
VSTDCCC050

Tgt Ion: 107 Resp: 82062

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 46.550 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

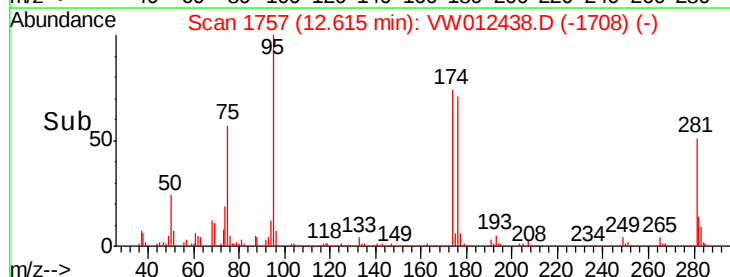
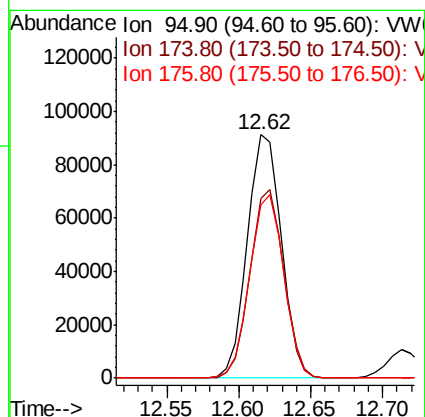
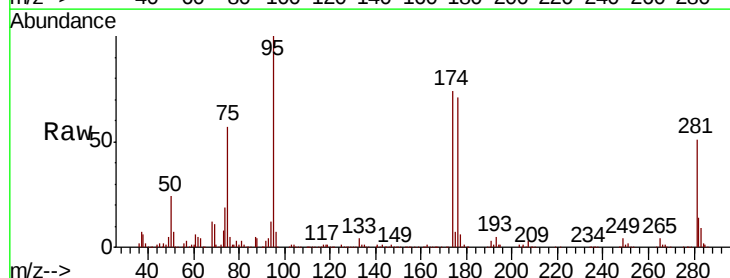
Tgt Ion: 95 Resp: 149472

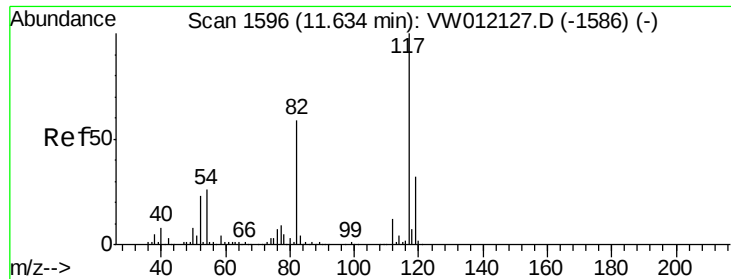
Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.8

176 75.3 0.0 148.6

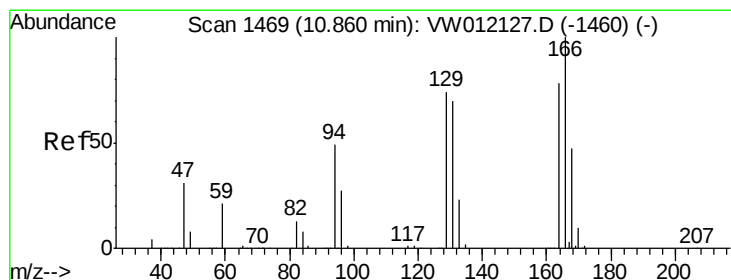
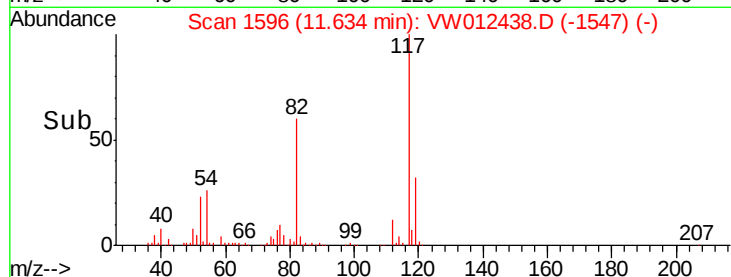
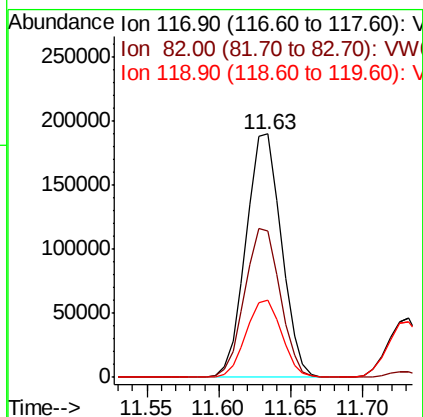
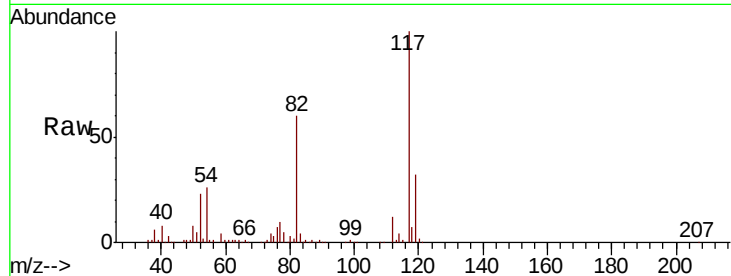




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

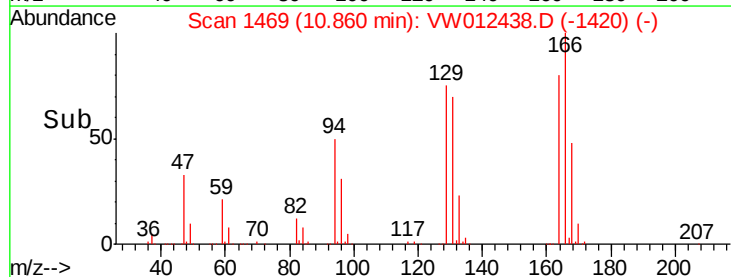
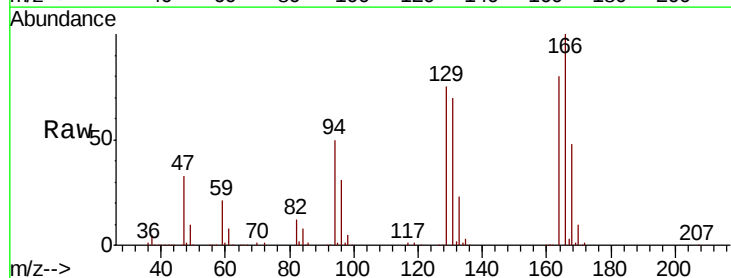
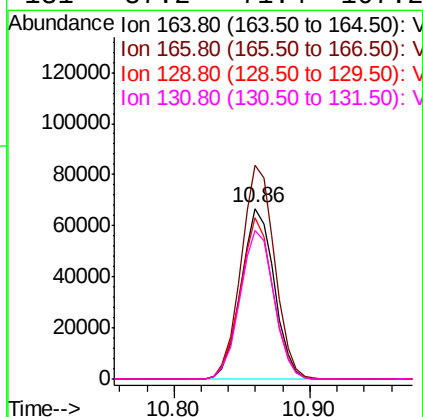
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

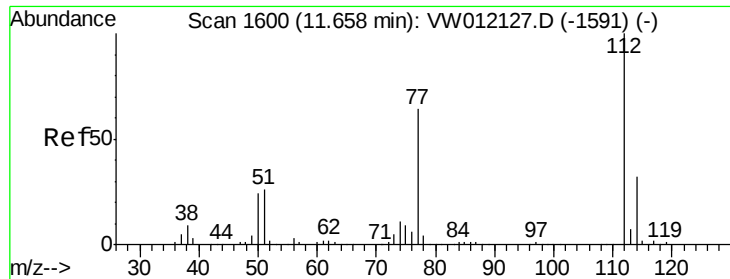
Tgt Ion:117 Resp: 323903
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 54.241 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion:164 Resp: 113904
Ion Ratio Lower Upper
164 100
166 125.3 102.4 153.6
129 94.3 75.8 113.6
131 87.2 71.4 107.2

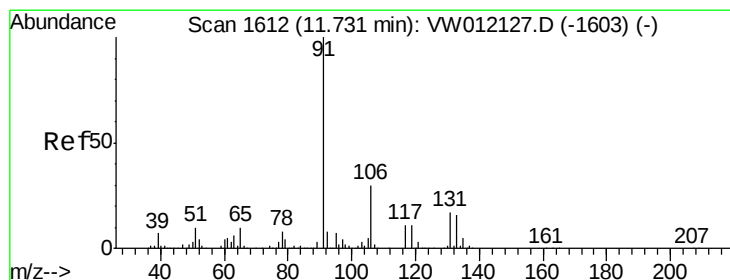
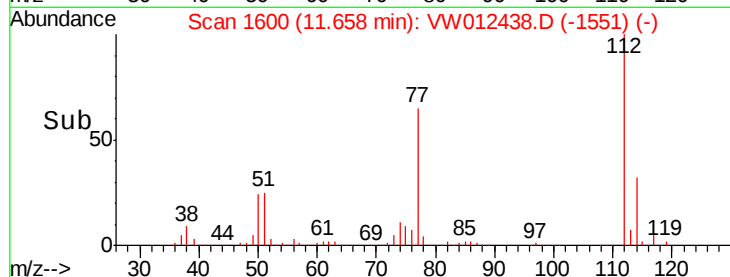
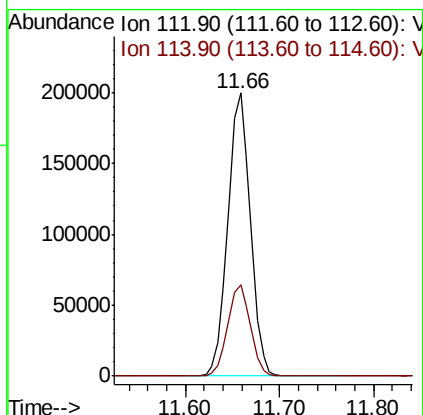
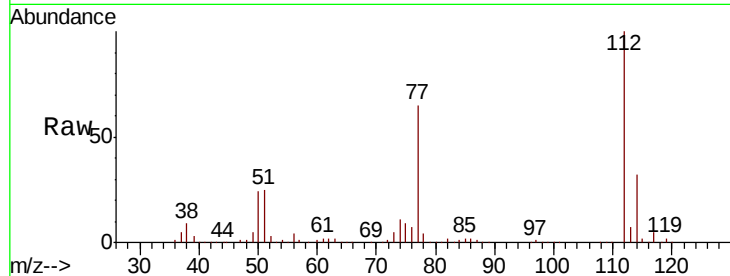




#65
Chlorobenzene
Concen: 51.863 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

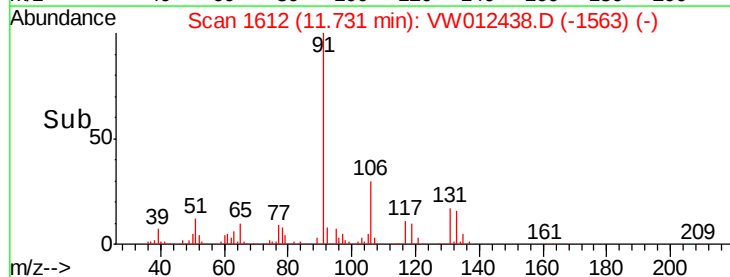
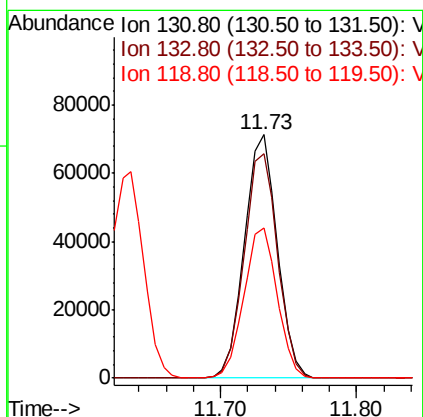
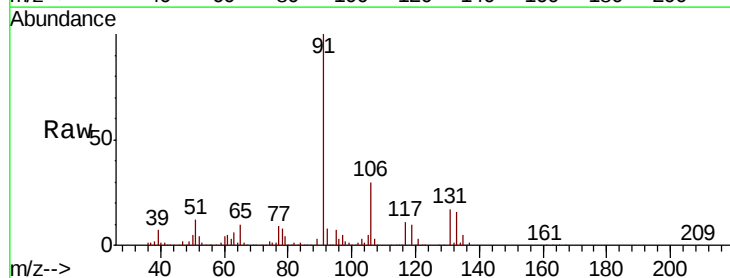
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 330782
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion:131 Resp: 120549
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 62.5 31.8 95.3

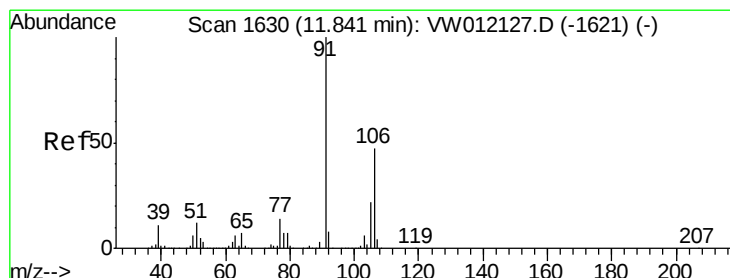
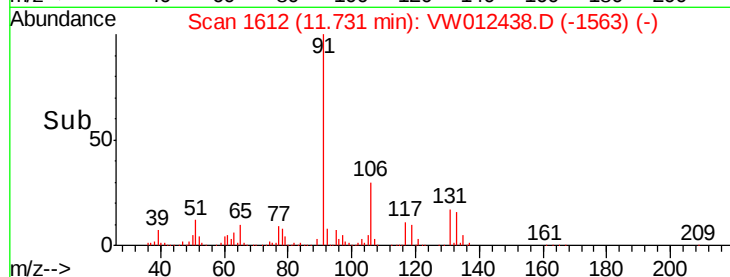
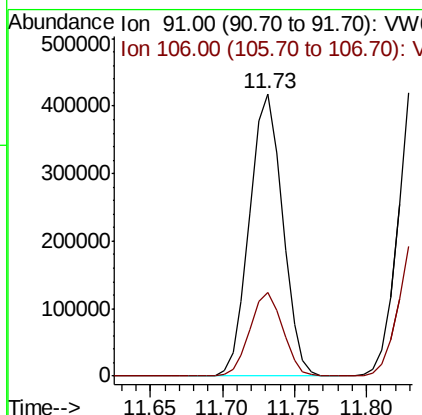
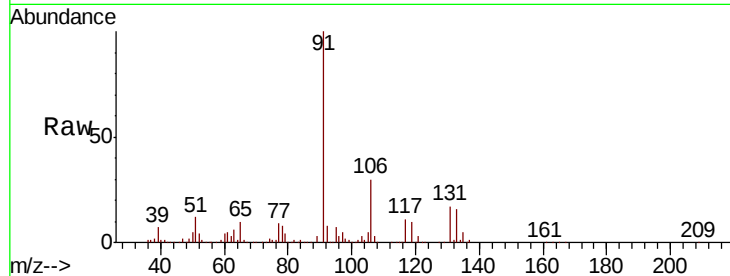




#67
Ethyl Benzene
Concen: 54.170 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

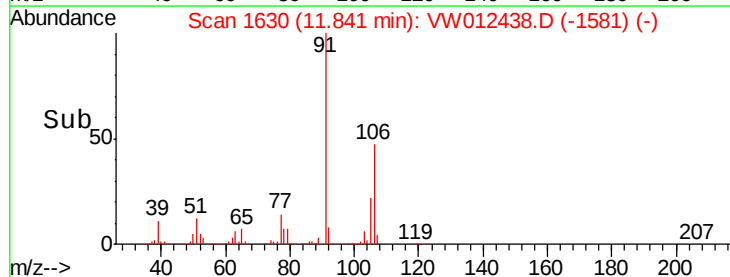
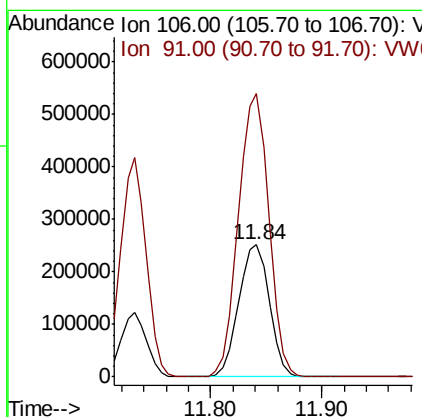
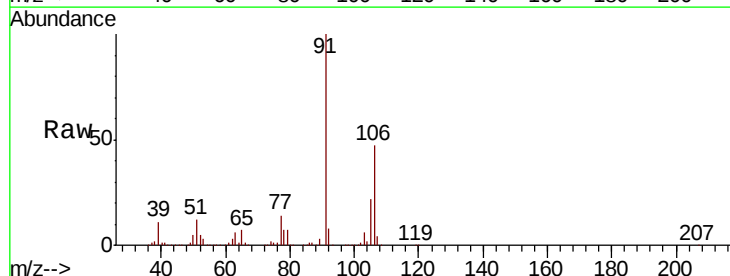
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

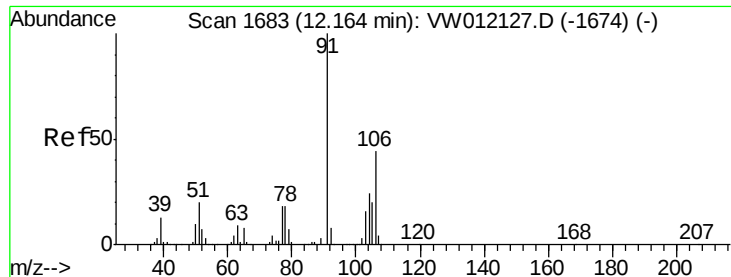
Tgt Ion: 91 Resp: 665536
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5



#68
m/p-Xylenes
Concen: 108.479 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 106 Resp: 480081
Ion Ratio Lower Upper
106 100
91 212.9 169.5 254.3

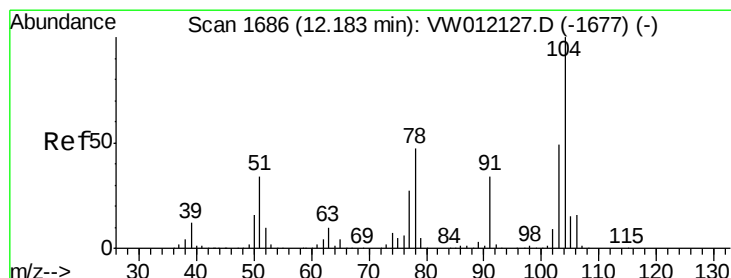
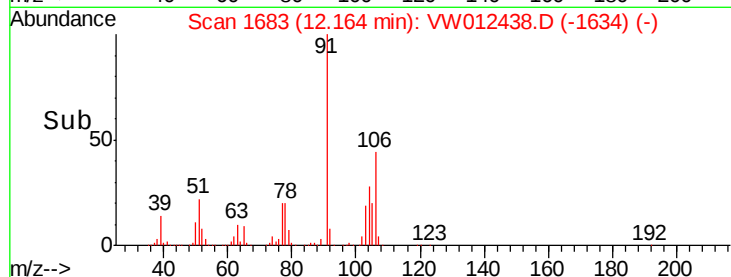
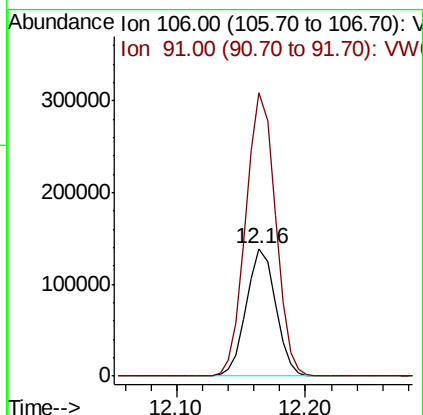
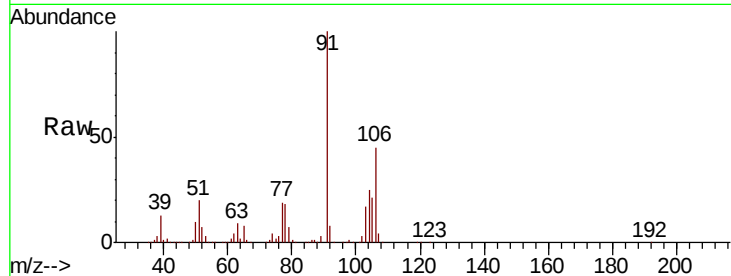




#69
o-Xylene
Concen: 53.277 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

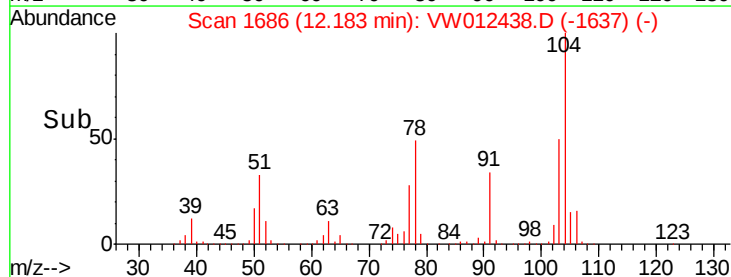
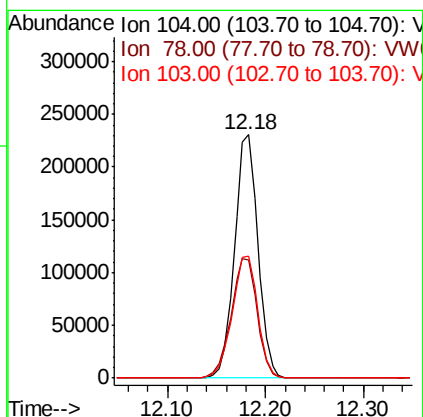
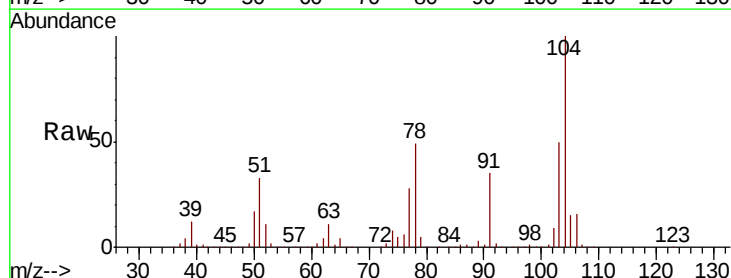
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

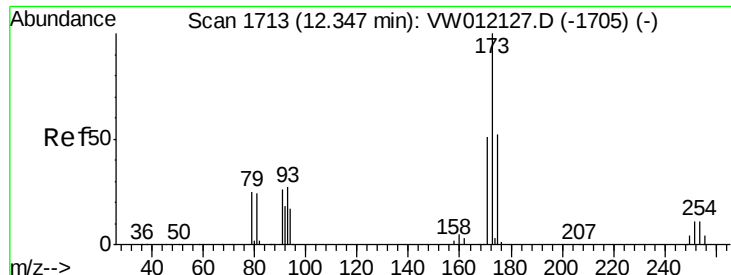
Tgt Ion:106 Resp: 218222
Ion Ratio Lower Upper
106 100
91 226.0 111.6 334.6



#70
Styrene
Concen: 53.755 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion:104 Resp: 381107
Ion Ratio Lower Upper
104 100
78 54.9 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 52.237 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

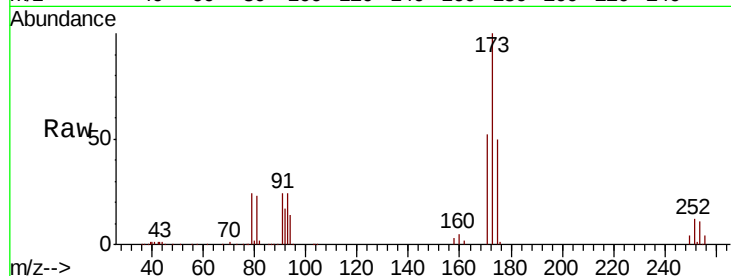
Tgt Ion:173 Resp: 57908

Ion Ratio Lower Upper

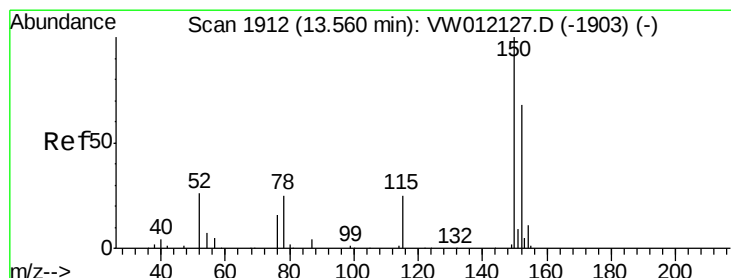
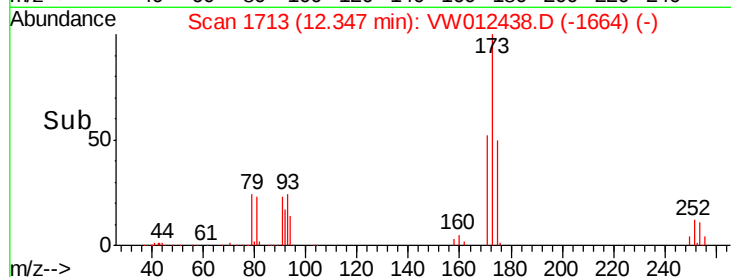
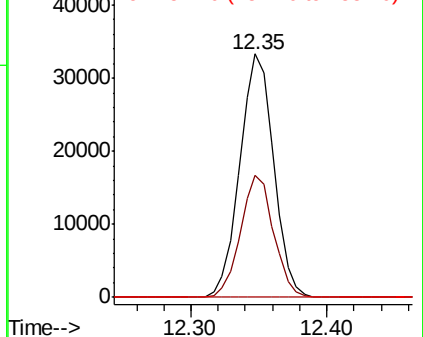
173 100

175 48.9 24.6 74.0

254 0.1 0.2 0.2#



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: VW012438.D

Acq: 01 Sep 2019 10:34

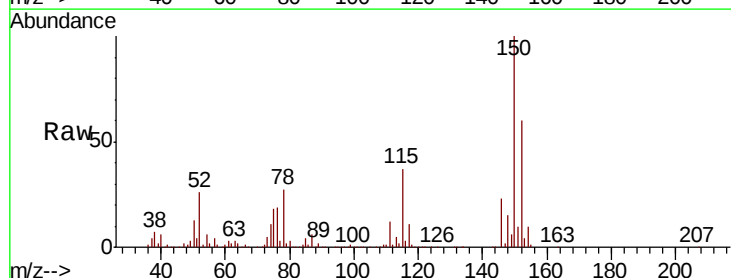
Tgt Ion:152 Resp: 155571

Ion Ratio Lower Upper

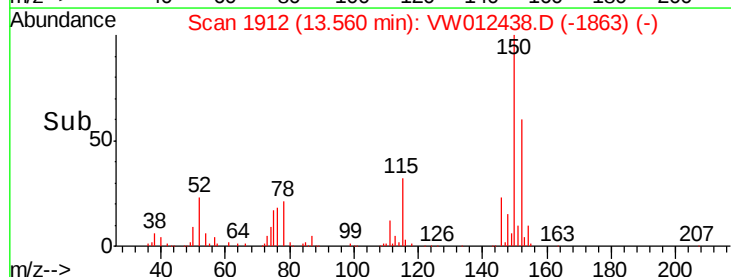
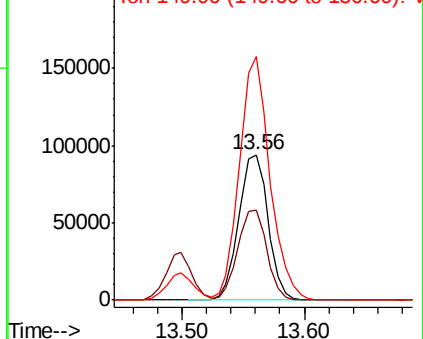
152 100

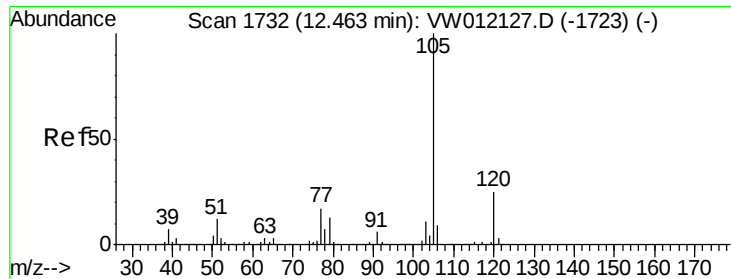
115 61.6 30.1 90.3

150 174.7 0.0 345.8



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: 54.550 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

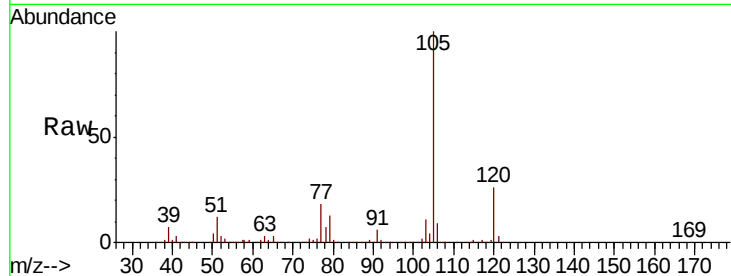
VSTDCCC050

Tgt Ion: 105 Resp: 635902

Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

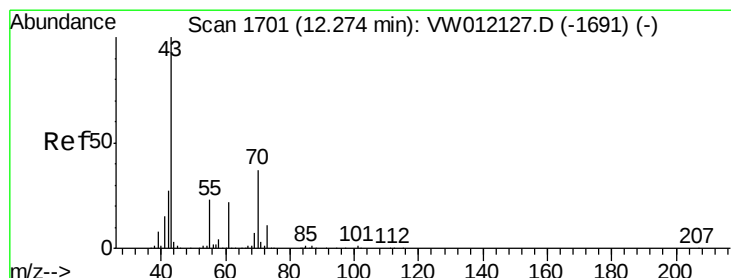
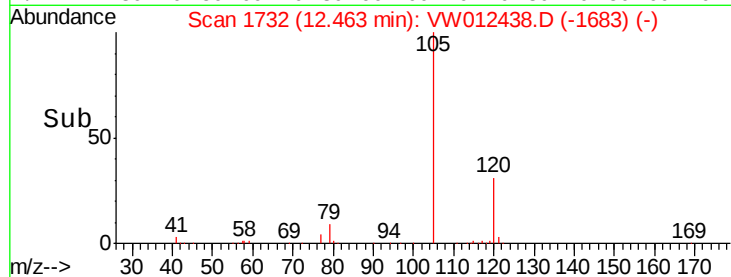
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 49.588 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion: 43 Resp: 174646

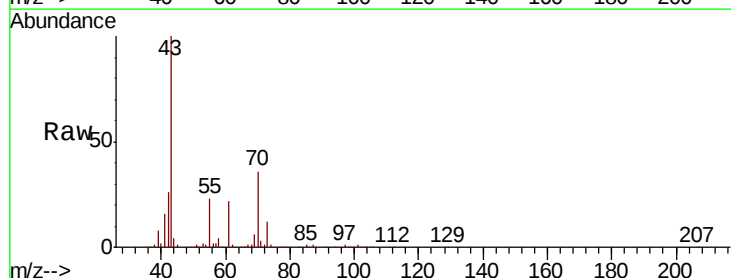
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 23.2 17.8 26.6

61 21.3 17.3 25.9



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

150000

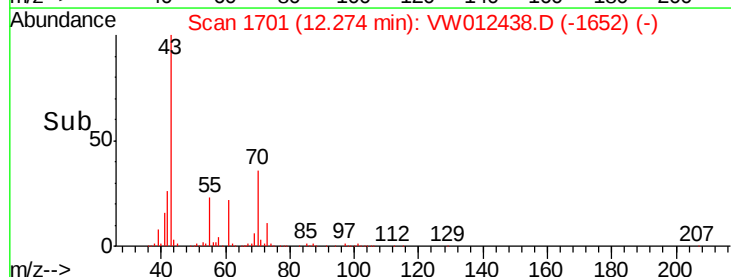
100000

50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 47.470 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

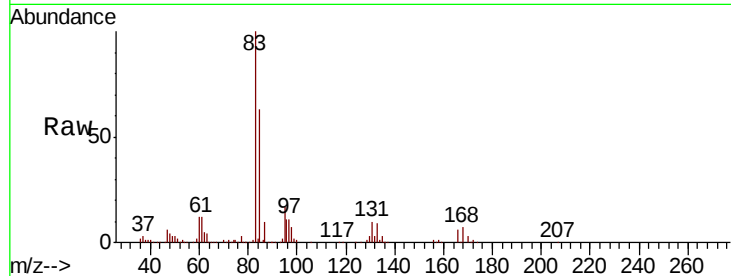
Tgt Ion: 83 Resp: 101449

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

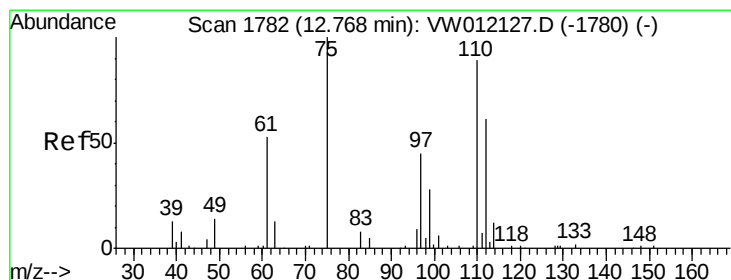
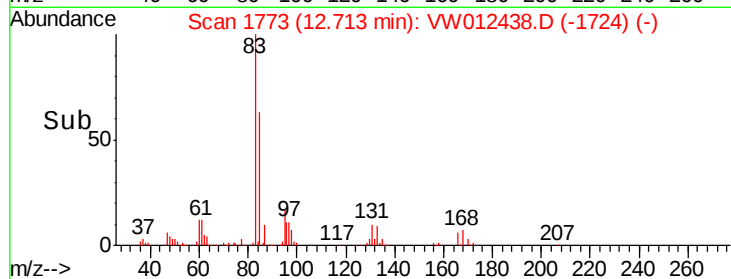
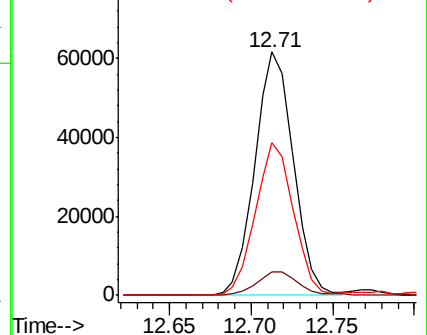
85 62.1 31.9 95.7



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: 92.628 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012438.D

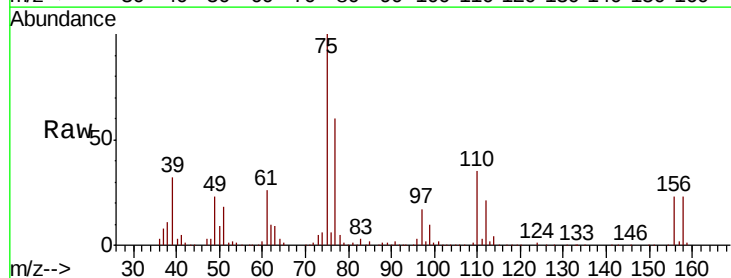
Acq: 01 Sep 2019 10:34

Tgt Ion: 75 Resp: 140345

Ion Ratio Lower Upper

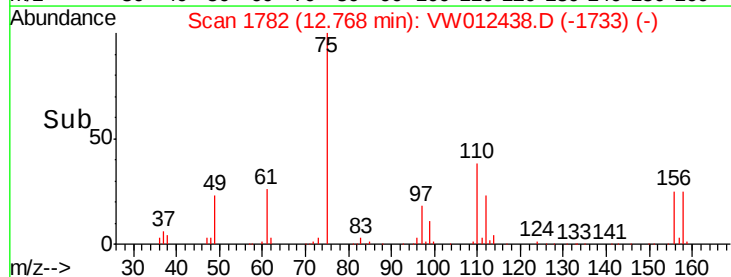
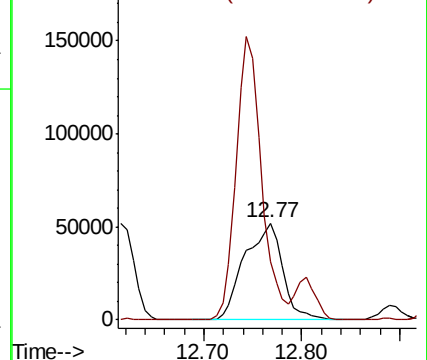
75 100

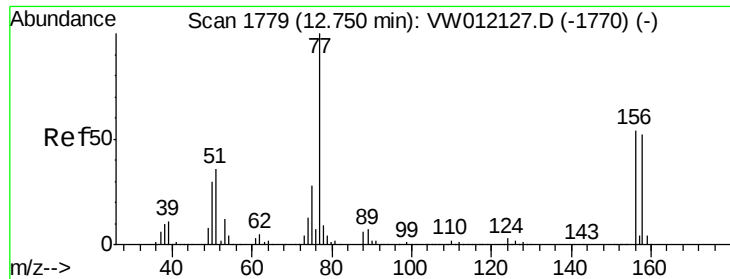
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

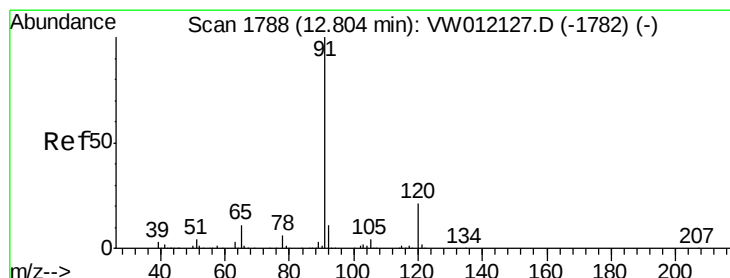
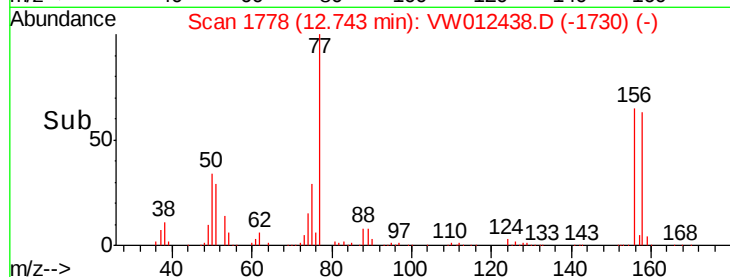
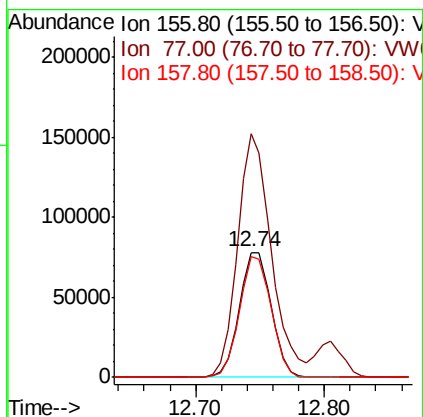
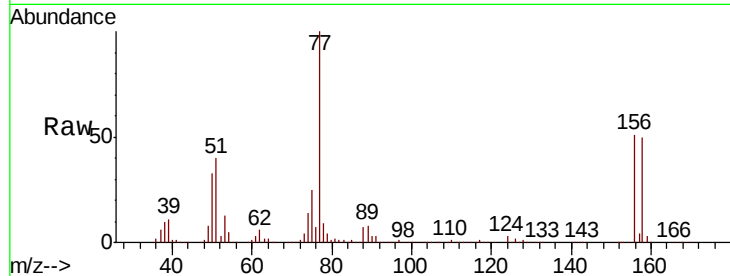




#77
Bromobenzene
Concen: 52.686 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

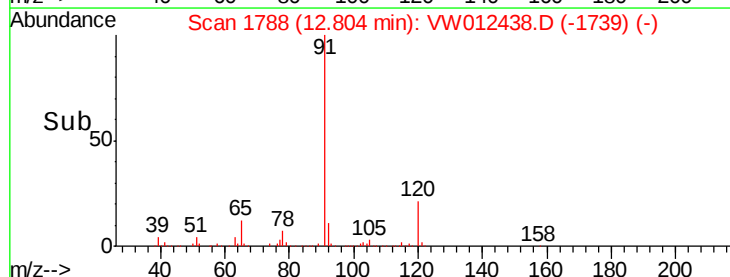
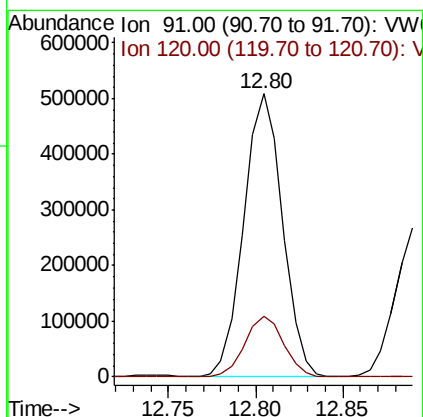
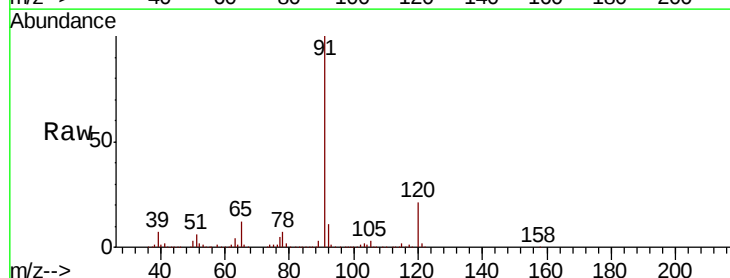
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

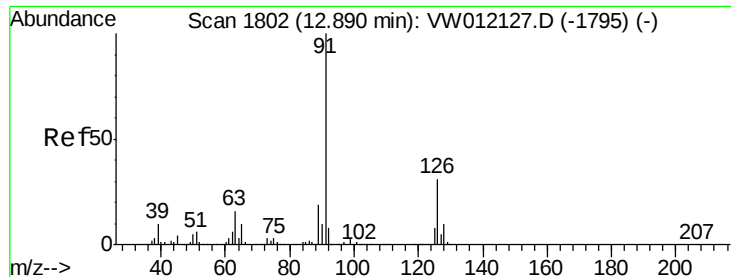
Tgt Ion: 156 Resp: 132870
Ion Ratio Lower Upper
156 100
77 207.7 107.3 321.8
158 96.2 49.0 147.0



#78
n-propylbenzene
Concen: 54.870 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 91 Resp: 780857
Ion Ratio Lower Upper
91 100
120 21.5 10.5 31.6





#79

2-Chlorotoluene

Concen: 53.354 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

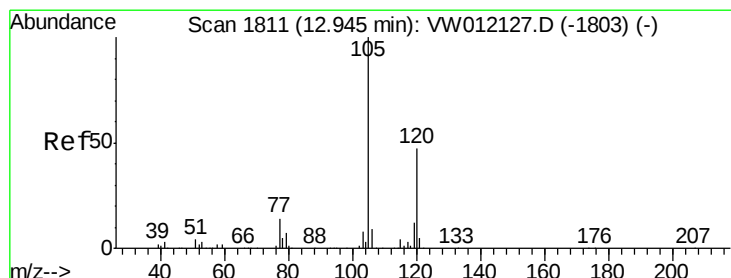
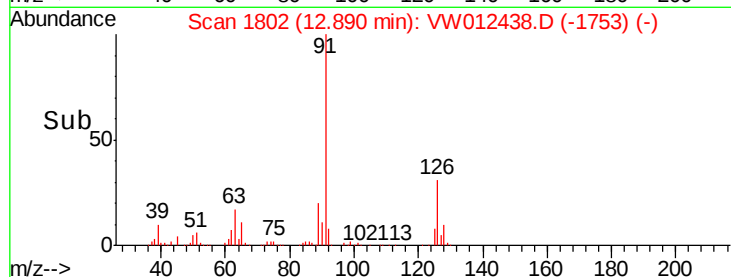
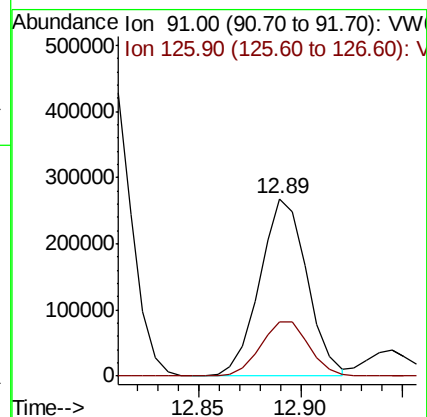
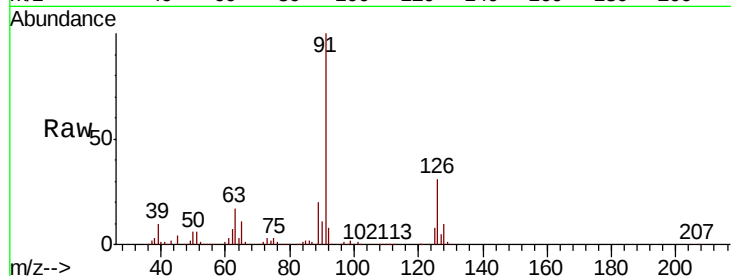
VSTDCCC050

Tgt Ion: 91 Resp: 431075

Ion Ratio Lower Upper

91 100

126 31.8 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 55.126 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012438.D

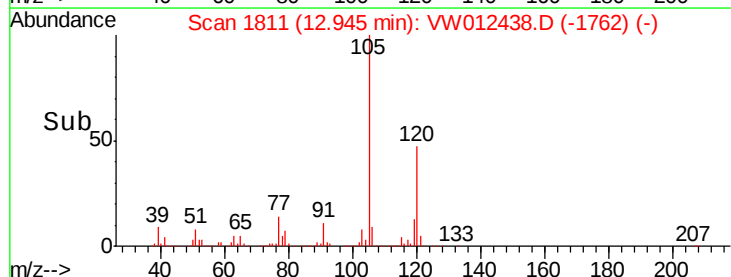
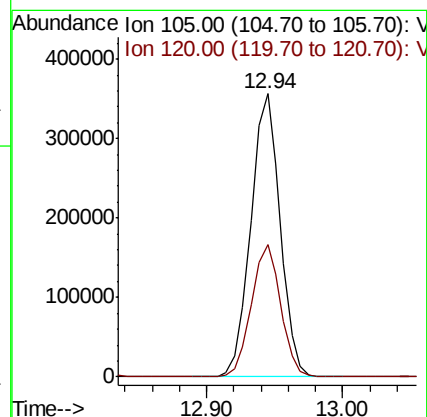
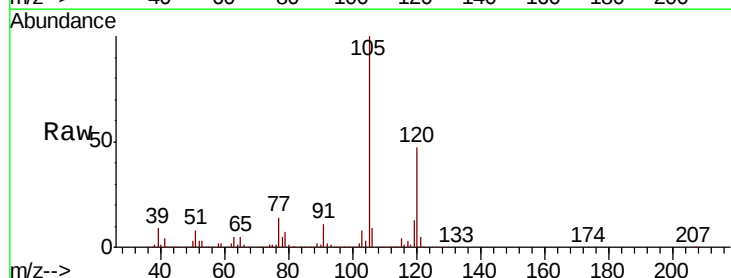
Acq: 01 Sep 2019 10:34

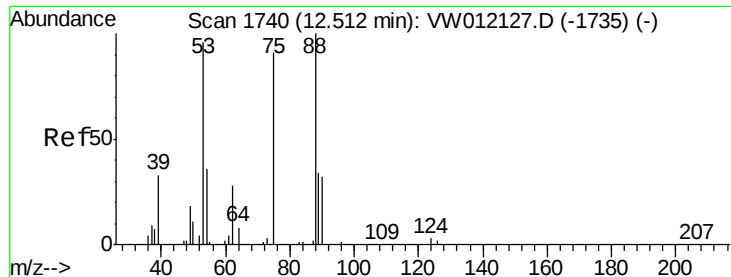
Tgt Ion: 105 Resp: 536970

Ion Ratio Lower Upper

105 100

120 47.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.710 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

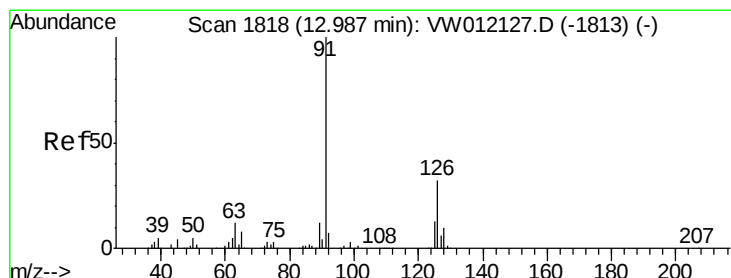
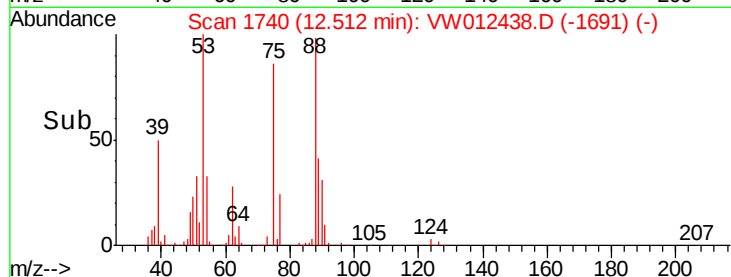
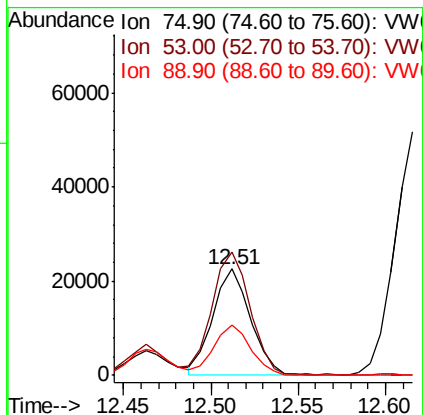
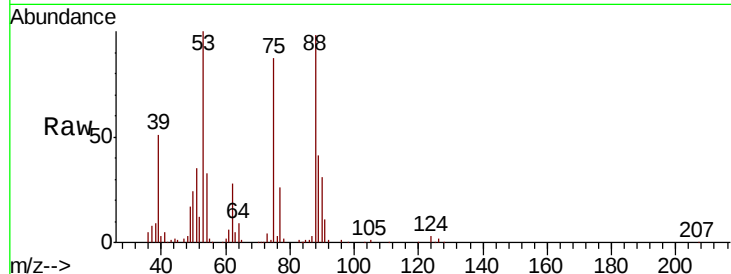
Tgt Ion: 75 Resp: 33661

Ion Ratio Lower Upper

75 100

53 118.1 89.4 134.0

89 46.7 34.5 51.7



#82

4-Chlorotoluene

Concen: 53.651 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012438.D

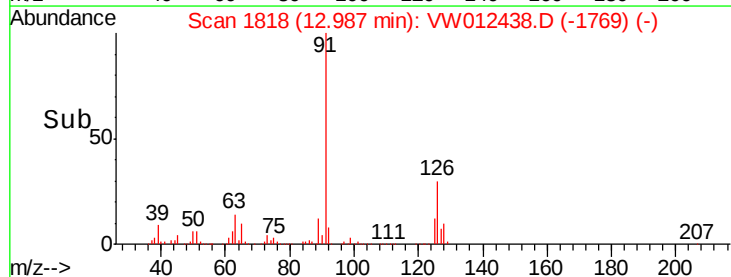
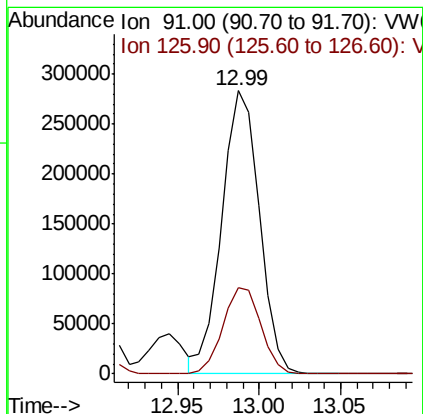
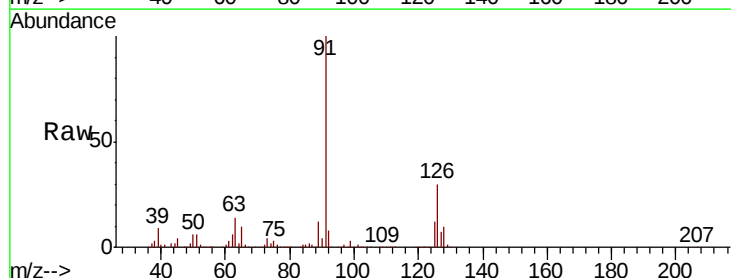
Acq: 01 Sep 2019 10:34

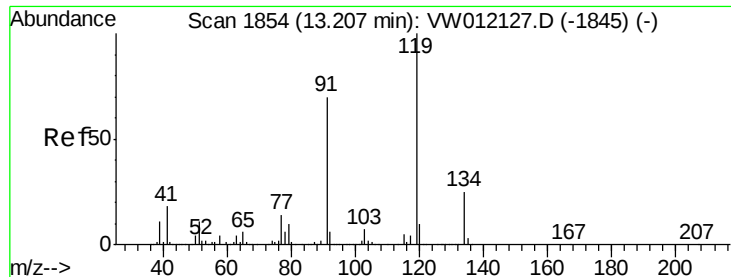
Tgt Ion: 91 Resp: 453886

Ion Ratio Lower Upper

91 100

126 31.0 15.6 46.8

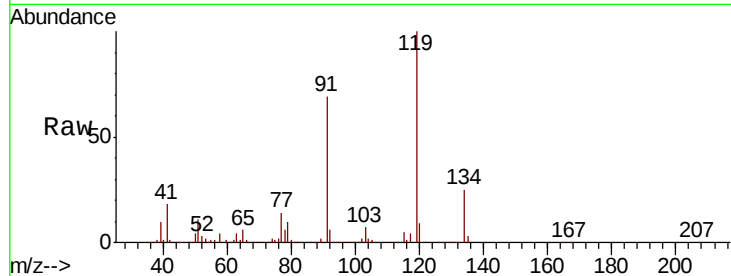




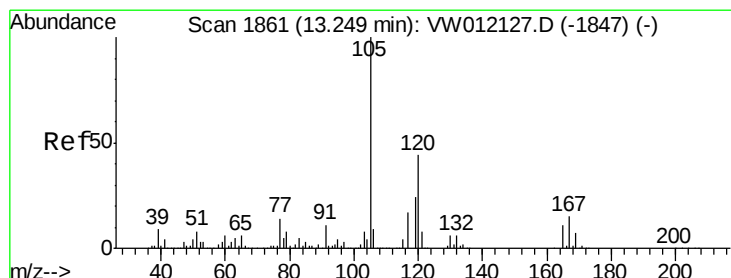
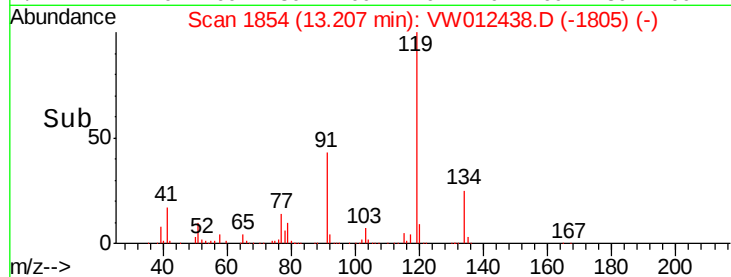
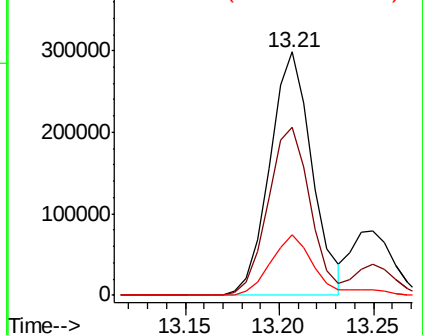
#83
 tert-Butylbenzene
 Concen: 56.198 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 463702
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.8 104.3
 134 24.6 13.3 39.8

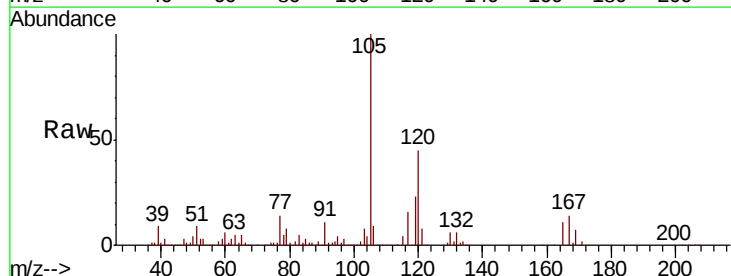


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

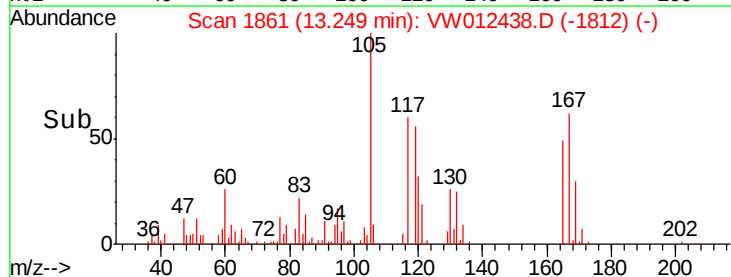
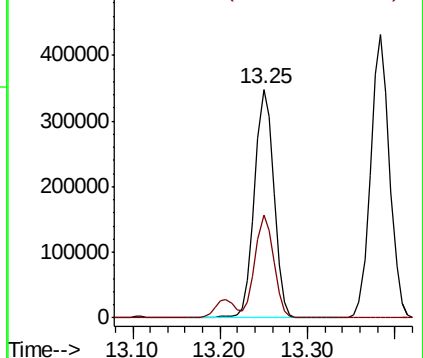


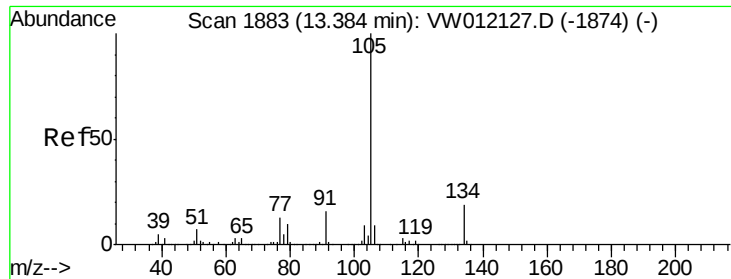
#84
 1,2,4-Trimethylbenzene
 Concen: 54.810 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion:105 Resp: 536303
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

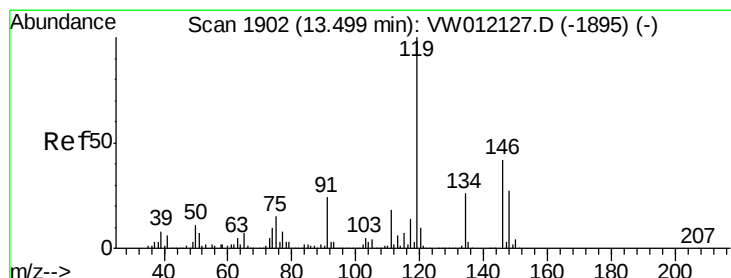
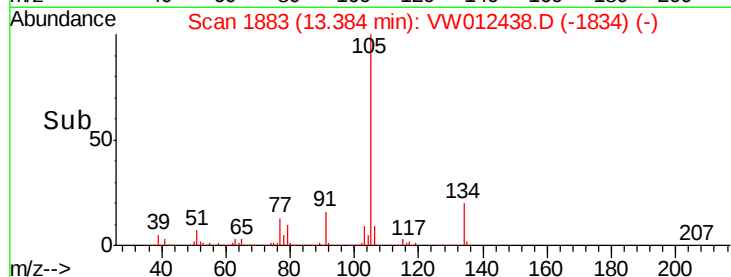
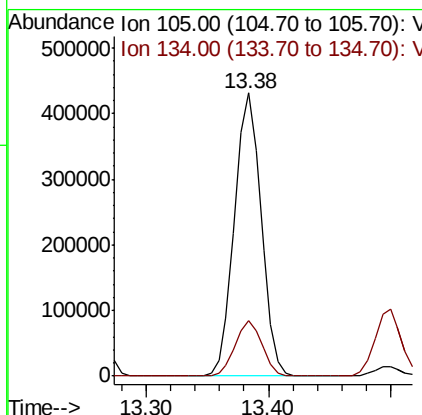
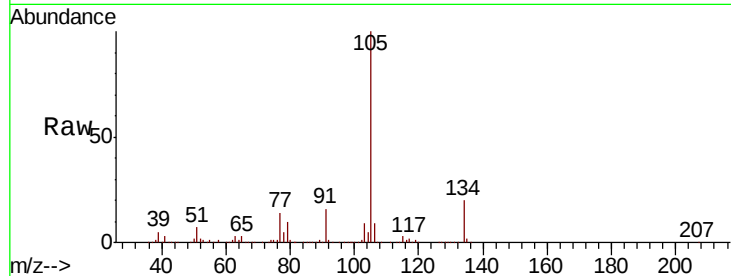




#85
 sec-Butylbenzene
 Concen: 55.194 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

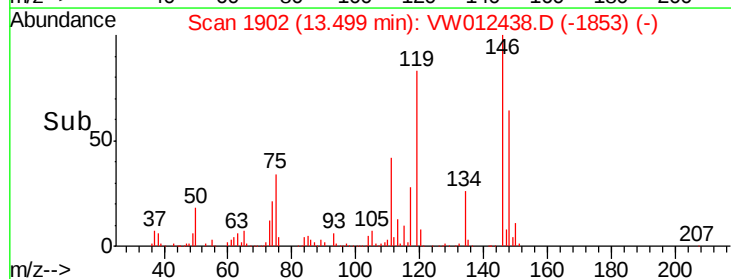
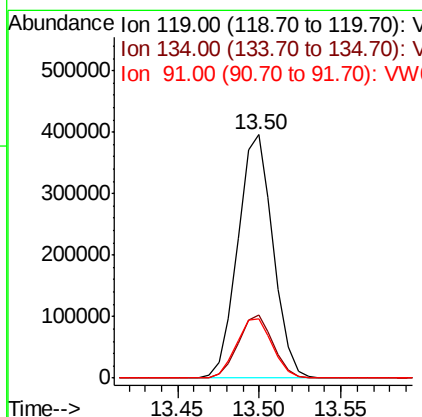
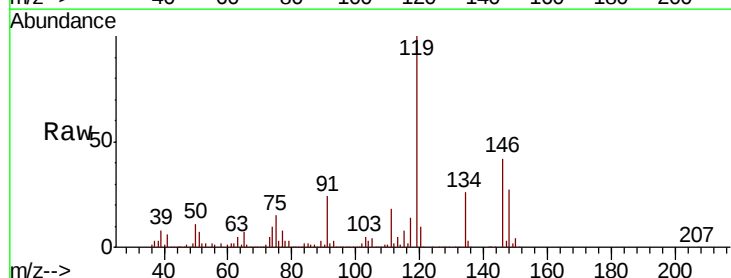
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

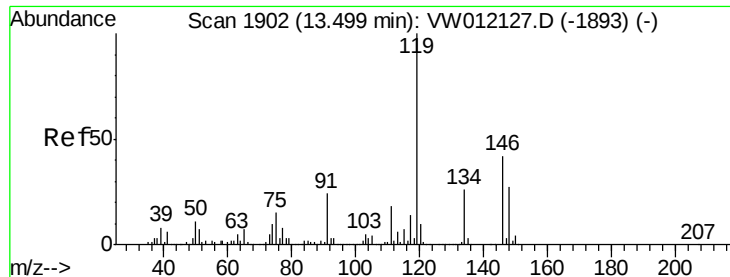
Tgt Ion:105 Resp: 652465
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 56.365 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion:119 Resp: 595054
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 53.376 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

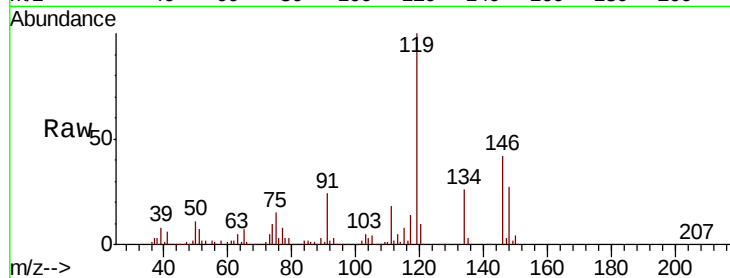
Tgt Ion:146 Resp: 263290

Ion Ratio Lower Upper

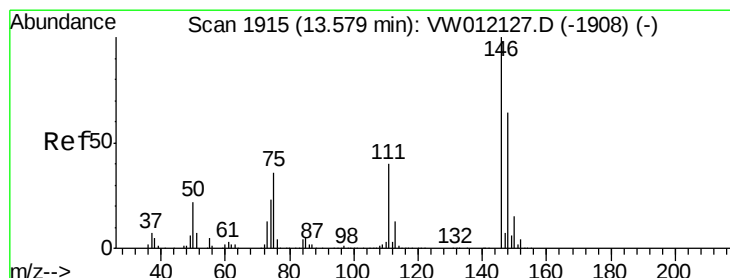
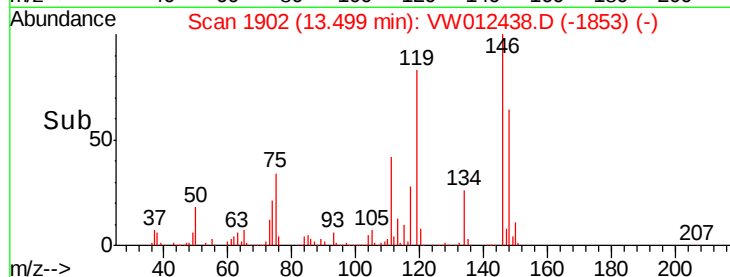
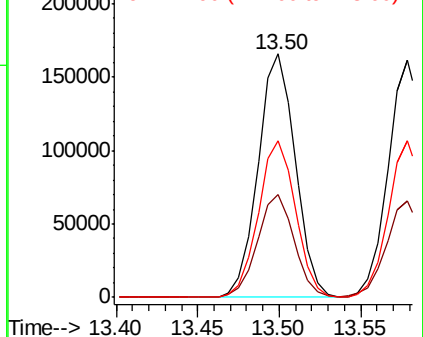
146 100

111 41.7 20.9 62.7

148 64.0 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 52.427 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

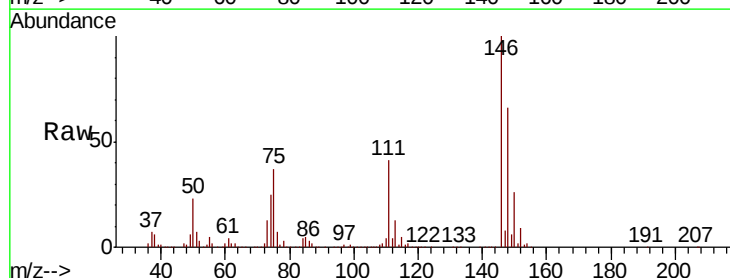
Tgt Ion:146 Resp: 256781

Ion Ratio Lower Upper

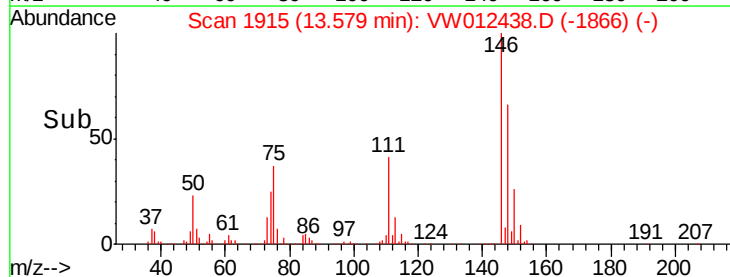
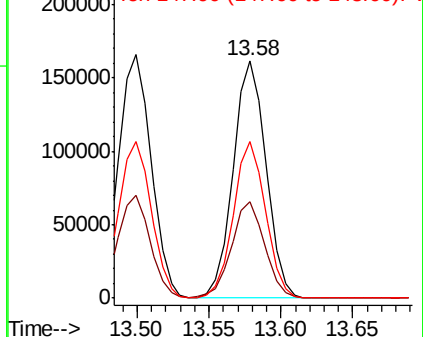
146 100

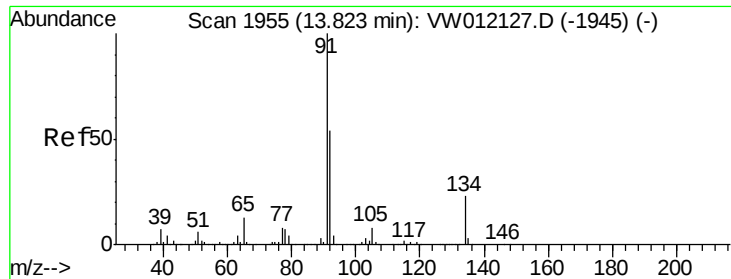
111 41.1 20.0 60.0

148 64.9 32.1 96.3



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





#89

n-Butylbenzene

Concen: 56.754 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

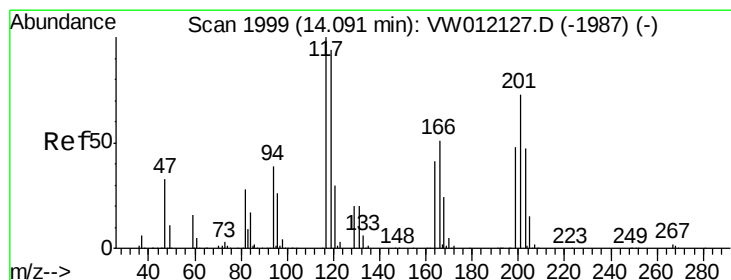
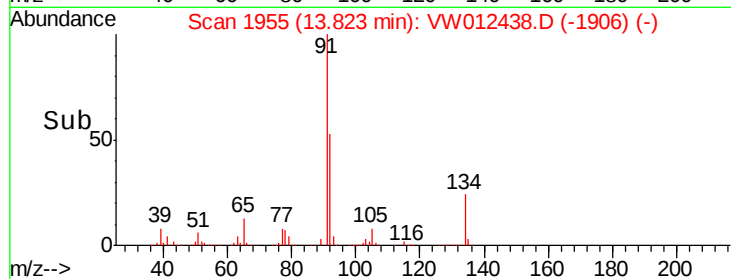
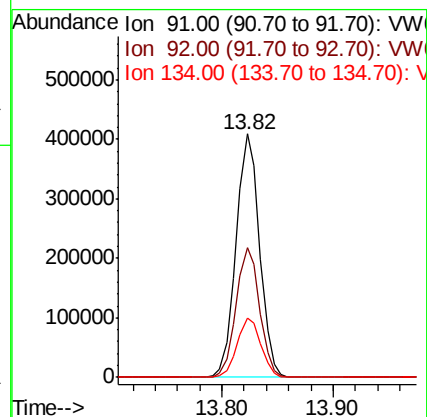
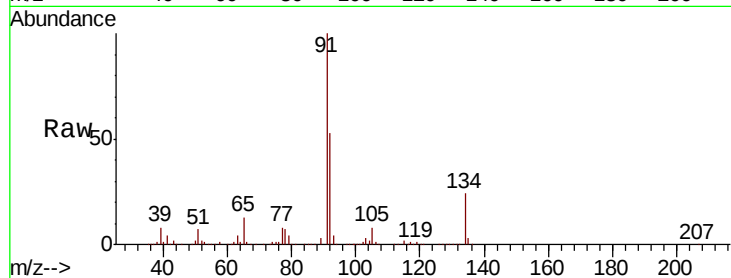
Tgt Ion: 91 Resp: 595827

Ion Ratio Lower Upper

91 100

92 53.6 27.1 81.2

134 24.6 12.2 36.4



#90

Hexachloroethane

Concen: 55.668 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012438.D

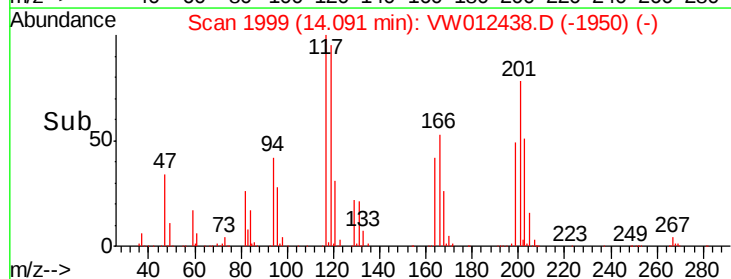
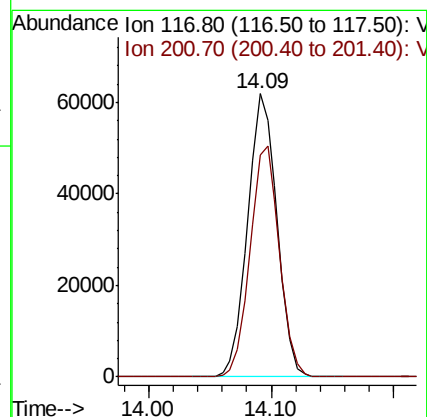
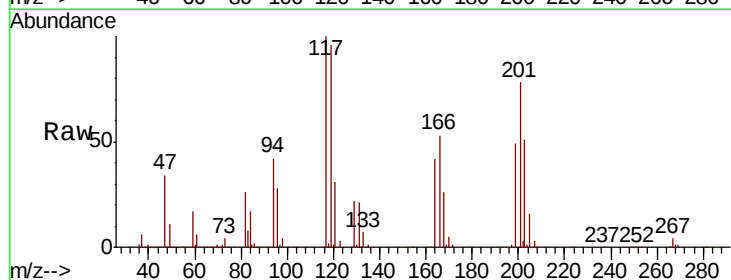
Acq: 01 Sep 2019 10:34

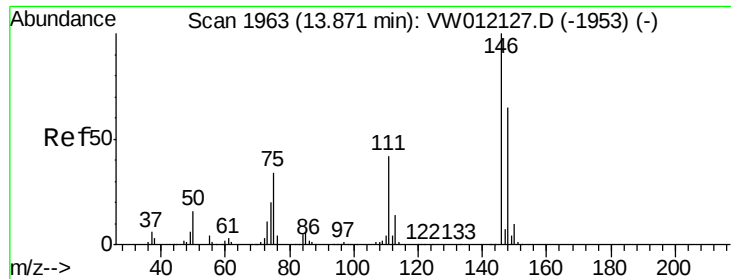
Tgt Ion: 117 Resp: 103109

Ion Ratio Lower Upper

117 100

201 81.4 38.6 115.7

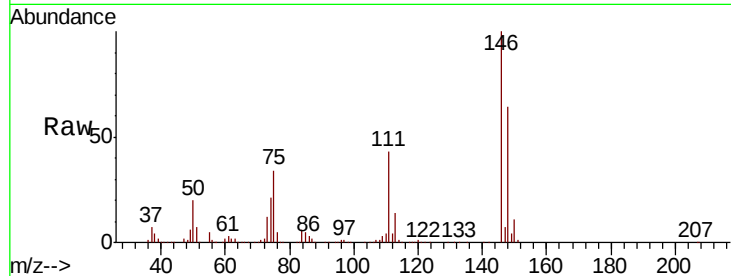




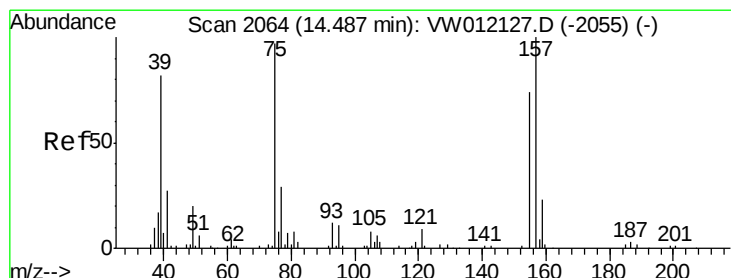
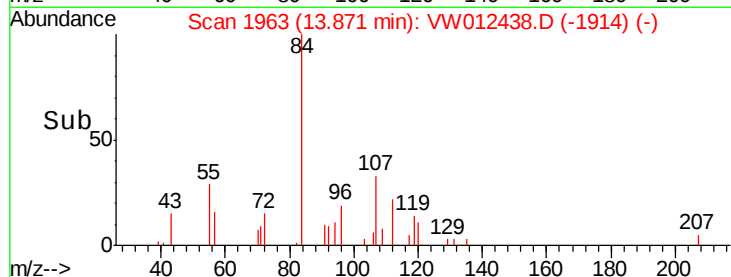
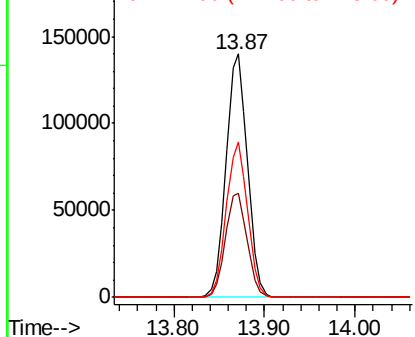
#91
 1,2-Dichlorobenzene
 Concen: 52.761 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 228313
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.2 63.6
 148 63.9 32.5 97.4

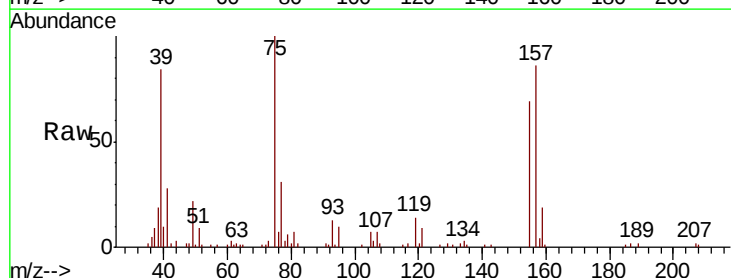


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

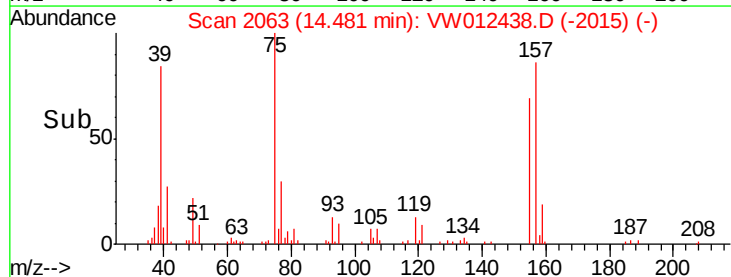
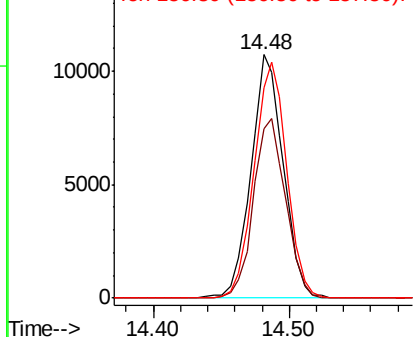


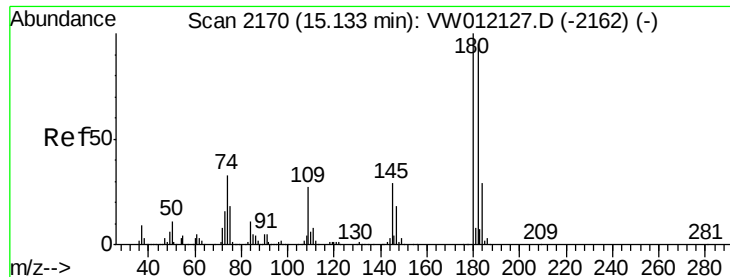
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.428 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 75 Resp: 17808
 Ion Ratio Lower Upper
 75 100
 155 73.6 37.5 112.3
 157 97.9 50.5 151.5



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

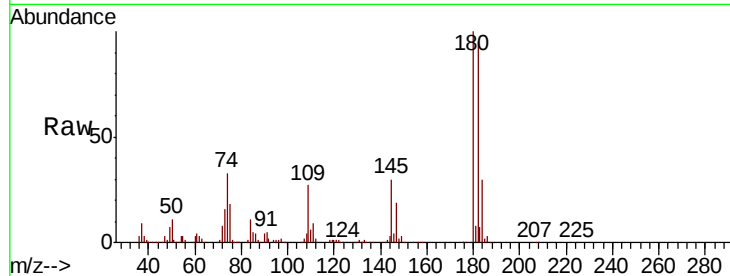




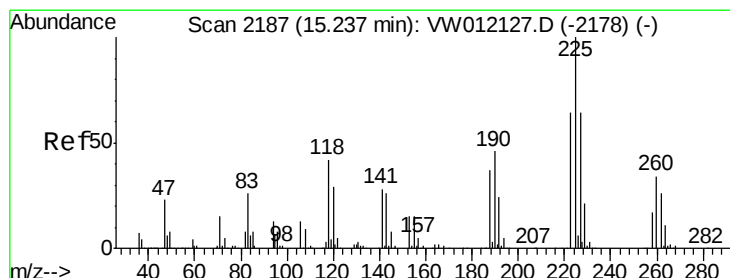
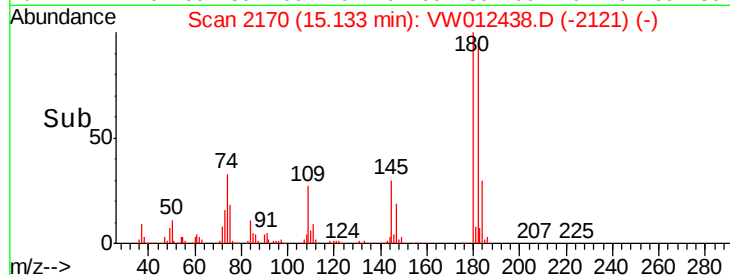
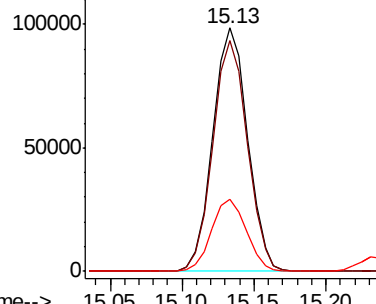
#93
 1,2,4-Trichlorobenzene
 Concen: 55.037 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.4
145	29.8	15.0	45.1

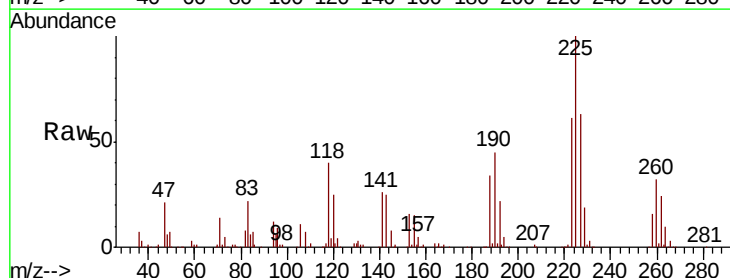


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

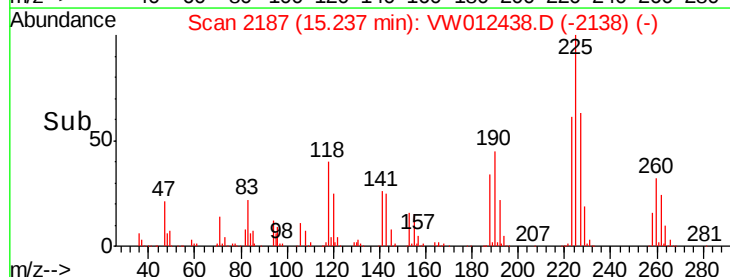
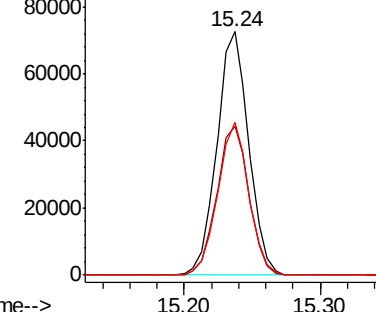


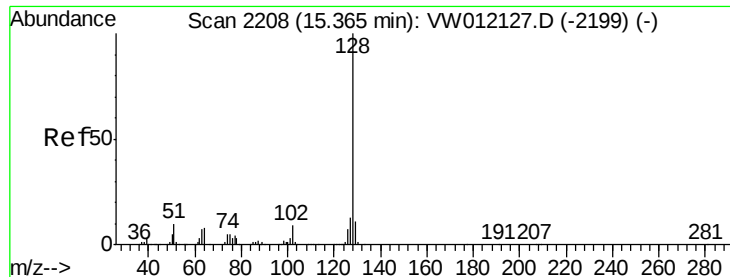
#94
 Hexachlorobutadiene
 Concen: 60.041 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.3	96.8
227	61.6	32.9	98.6



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

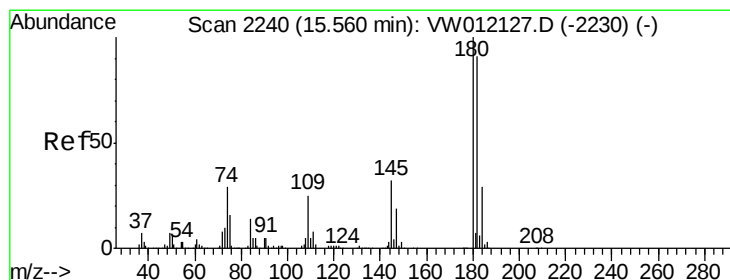
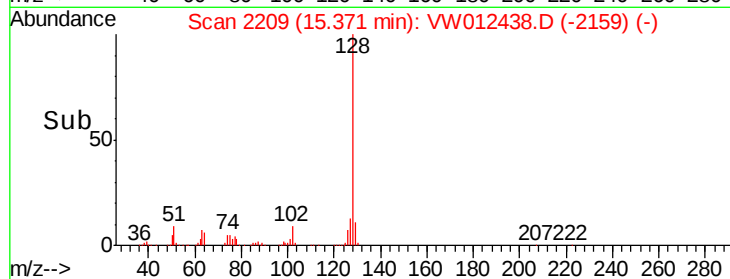
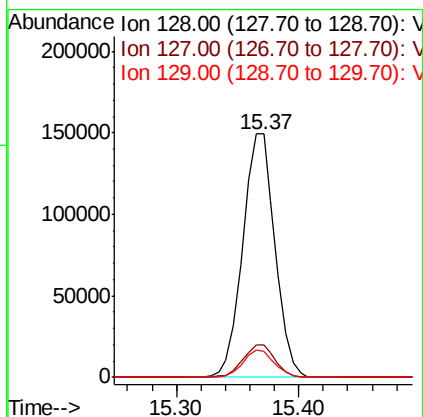
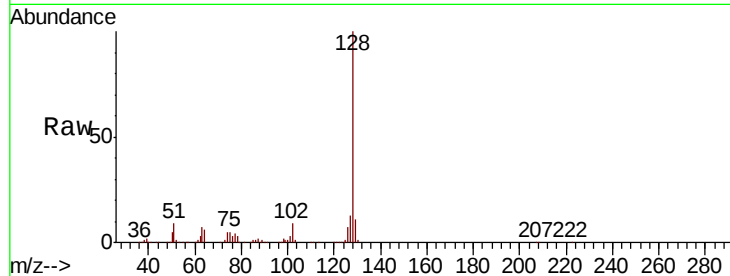




#95
Naphthalene
Concen: 46.878 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 273352
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.307 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion:180 Resp: 141691
Ion Ratio Lower Upper
180 100
182 94.1 47.1 141.3
145 31.7 16.2 48.5

