

Data File : VW014973.D
Acq On : 13 Feb 2020 11:06
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

Quant Time: Feb 13 11:48:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	696716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	650108	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	297242	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	662939	69.24	ug/L	0.00
7) Chloroethane-d5	2.89	69	505470	60.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	1235830	73.15	ug/L	0.00
21) 2-Butanone-d5	7.07	46	443520	105.21	ug/L	0.00
24) Chloroform-d	7.65	84	1045129	66.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	622807	68.20	ug/L	0.00
32) Benzene-d6	8.27	84	2108838	60.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.27	67	719412	67.24	ug/L	0.00
41) Toluene-d8	10.32	98	1872600	58.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	296658	54.95	ug/L	0.00
47) 2-Hexanone-d5	10.92	63	337485	91.15	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	579910	49.95	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	534631	50.07	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	320128	29.398	ug/L	92
3) Chloromethane	2.21	50	586806	49.326	ug/L	100
5) Vinyl chloride	2.37	62	794106	63.447	ug/L	99
6) Bromomethane	2.78	94	356722	48.986	ug/L	94
8) Chloroethane	2.93	64	426262	59.041	ug/L	99
9) Trichlorofluoromethane	3.26	101	309464	21.065	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	528011	57.892	ug/L	99
12) 1,1-Dichloroethene	4.04	96	527950	58.671	ug/L	96
13) Acetone	4.12	43	447252	91.940	ug/L	99
14) Carbon disulfide	4.39	76	1854351	61.016	ug/L	100
15) Methyl Acetate	4.67	43	394506	52.477	ug/L	100
16) Methylene chloride	4.92	84	570675	49.029	ug/L	100
17) trans-1,2-Dichloroethene	5.42	96	532821	52.878	ug/L	100
18) Methyl tert-butyl Ether	5.43	73	715512	25.711	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1152624	66.995	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	564800	51.031	ug/L	100
22) 2-Butanone	7.17	43	592356	97.256	ug/L	100
23) Bromochloromethane	7.51	128	219095	44.778	ug/L	94
25) Chloroform	7.67	83	1017201	59.753	ug/L	99
27) 1,2-Dichloroethane	8.40	62	770922	63.870	ug/L	100
29) Cyclohexane	7.95	56	1192966	65.732	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	771445	52.893	ug/L	99
31) Carbon tetrachloride	8.07	117	708118	55.051	ug/L	99
33) Benzene	8.32	78	2397722	57.861	ug/L	100
34) Trichloroethene	9.09	95	570206	53.921	ug/L	99
35) Methylcyclohexane	9.34	83	1054131	54.085	ug/L	98
37) 1,2-Dichloropropane	9.37	63	669070	64.081	ug/L	100
38) Bromodichloromethane	9.64	83	754821	56.474	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	981416	55.492	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	1182708	104.336	ug/L	100

Data File : VW014973.D
Acq On : 13 Feb 2020 11:06
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

Quant Time: Feb 13 11:48:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration

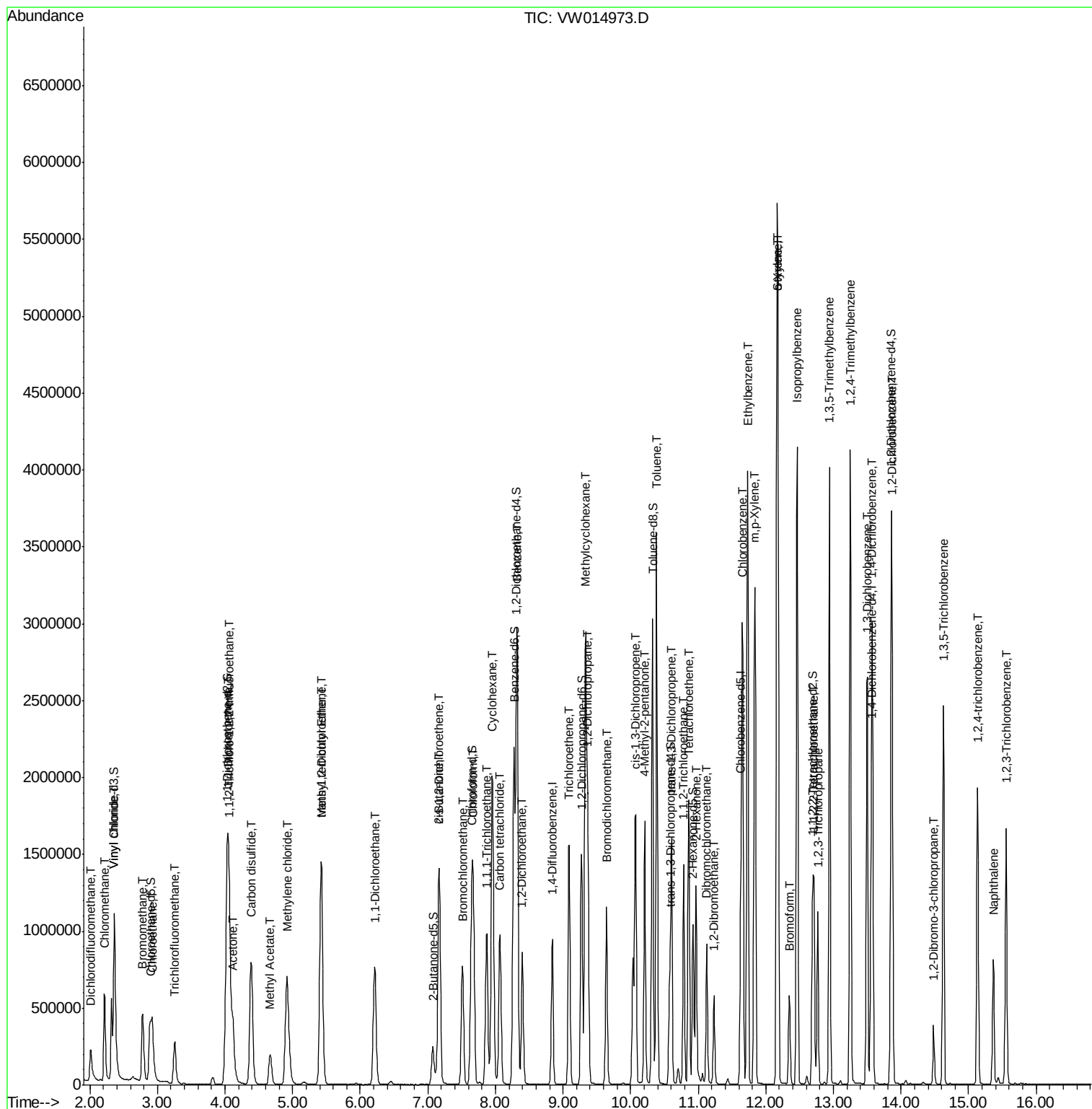
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.38	91	2436963	54.315	ug/L	97
44) trans-1,3-Dichloropropene	10.60	75	824349	54.788	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	419134	46.605	ug/L	99
46) Tetrachloroethene	10.86	164	366007	44.994	ug/L	97
48) 2-Hexanone	10.97	43	896124	103.066	ug/L	99
49) Dibromochloromethane	11.13	129	441773	45.449	ug/L	93
50) 1,2-Dibromoethane	11.23	107	389059	42.829	ug/L	96
51) Chlorobenzene	11.66	112	1366677	48.074	ug/L	98
52) Ethylbenzene	11.73	91	2701285	53.704	ug/L	100
53) m,p-Xylene	11.84	106	954292	48.830	ug/L	100
54) o-Xylene	12.16	106	903546	48.256	ug/L	98
55) Styrene	12.18	104	1582031	48.268	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	589837	46.782	ug/L	99
59) Bromoform	12.35	173	235983	37.548	ug/L	99
60) Isopropylbenzene	12.46	105	2450460	51.745	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	455134	49.242	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	2048310	52.255	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	2015435	51.966	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	959332	45.670	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	967491	45.880	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	886671	45.604	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	103649	44.435	ug/L	97
69) 1,3,5-Trichlorobenzene	14.63	180	648247	44.916	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	531937	40.451	ug/L	99
71) Naphthalene	15.36	128	615020	16.785	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	491235	40.043	ug/L	99

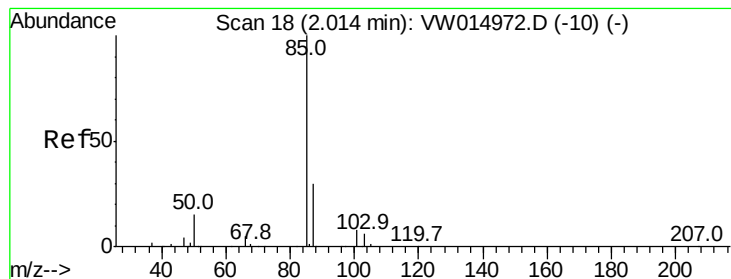
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014973.D
Acq On : 13 Feb 2020 11:06
Operator : SY/VA
Sample : VSTD05004
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

Quant Time: Feb 13 11:48:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 11:44:58 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 29.398 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

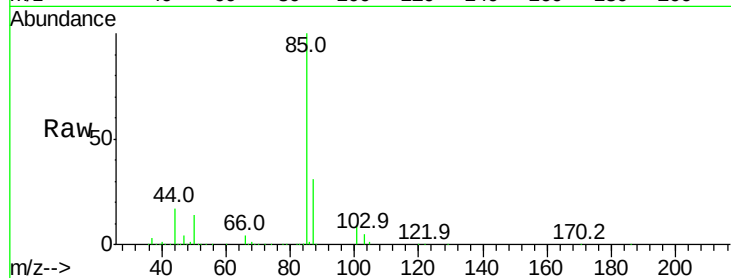
VSTD050304

Tgt Ion: 85 Resp: 320128

Ion Ratio Lower Upper

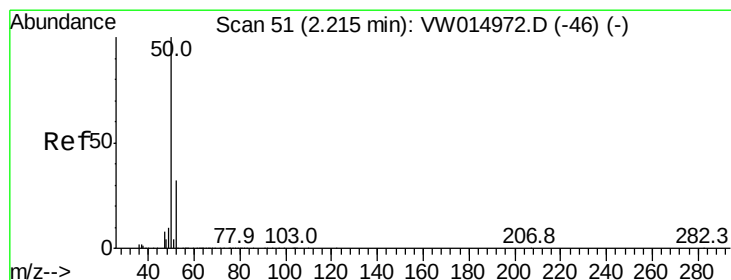
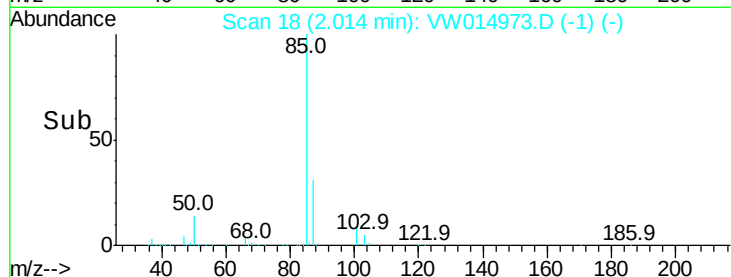
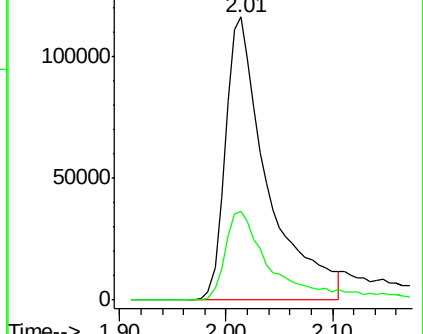
85 100

87 30.8 21.5 32.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 49.326 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014973.D

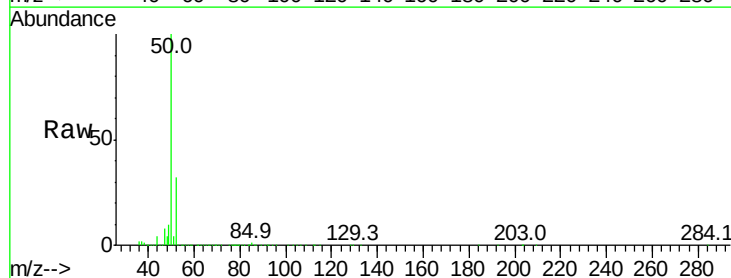
Acq: 13 Feb 2020 11:06

Tgt Ion: 50 Resp: 586806

Ion Ratio Lower Upper

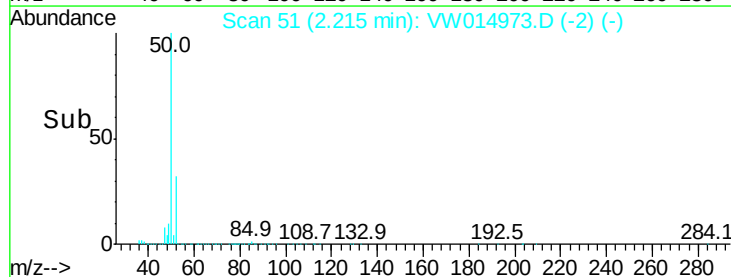
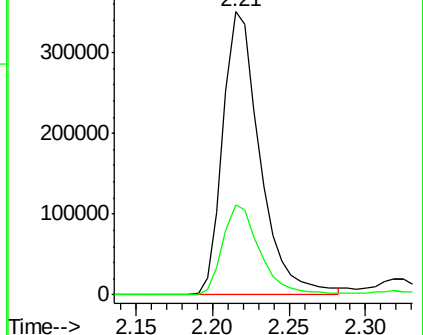
50 100

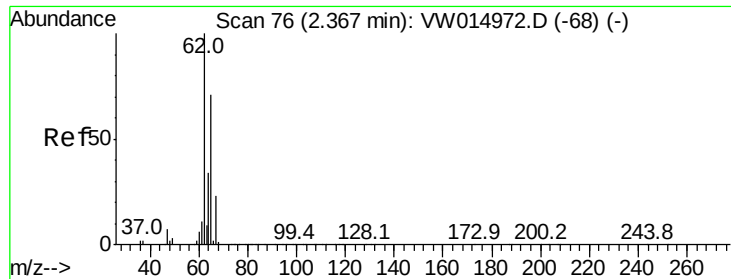
52 31.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 63.447 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

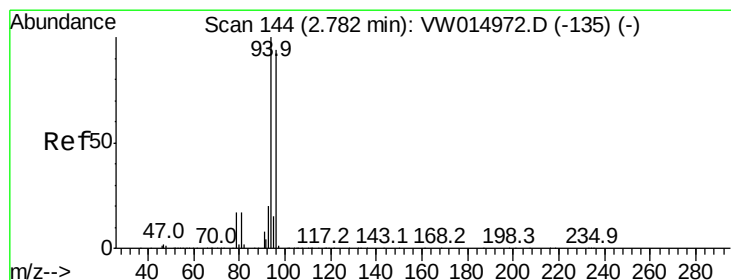
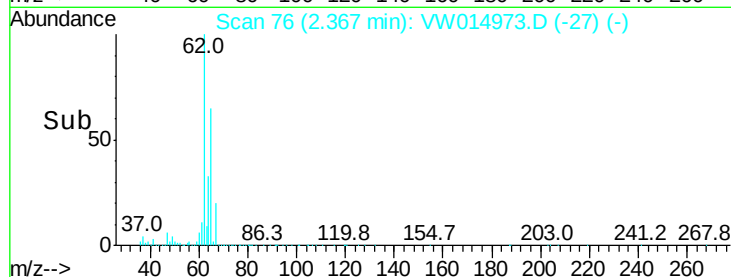
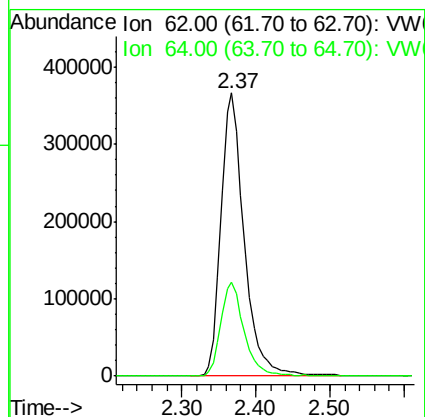
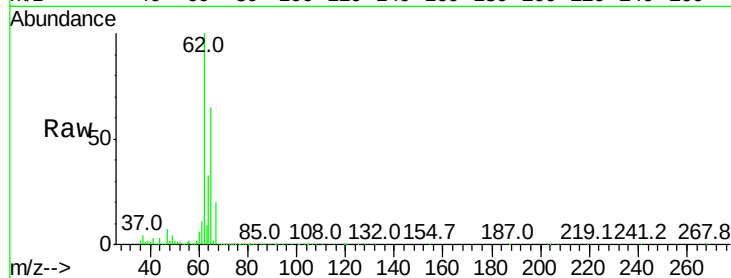
VSTD050304

Tgt Ion: 62 Resp: 794106

Ion Ratio Lower Upper

62 100

64 33.2 23.6 43.8



#6

Bromomethane

Concen: 48.986 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014973.D

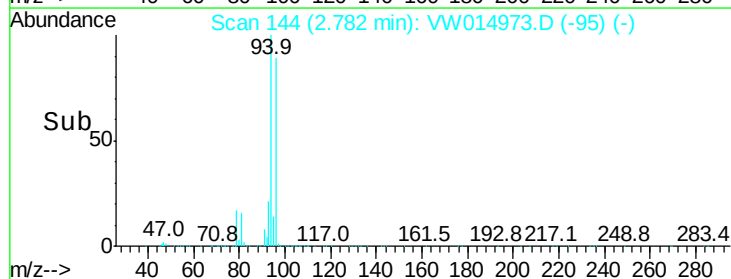
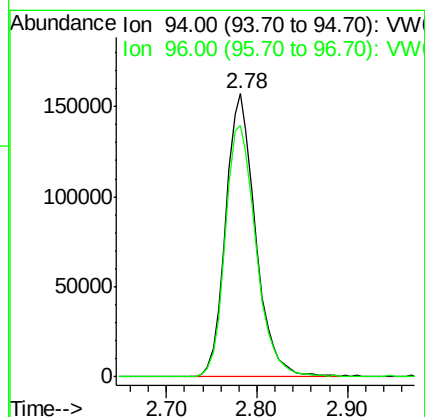
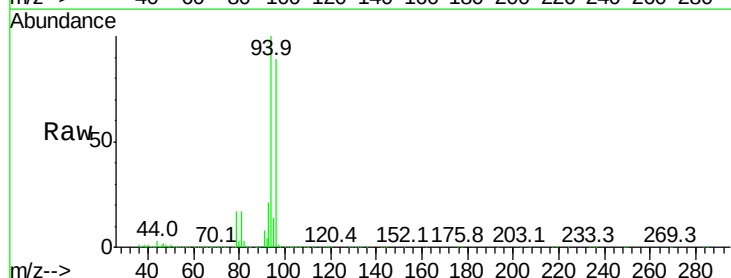
Acq: 13 Feb 2020 11:06

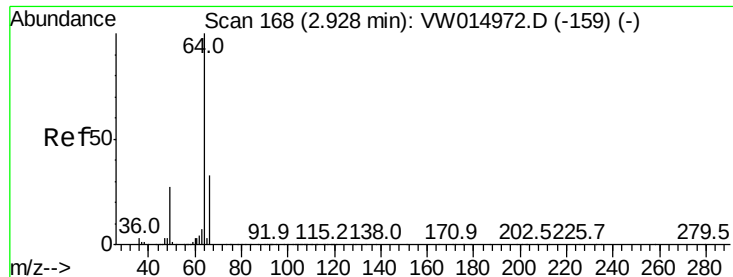
Tgt Ion: 94 Resp: 356722

Ion Ratio Lower Upper

94 100

96 88.6 65.8 122.2





#8

Chloroethane

Concen: 59.041 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

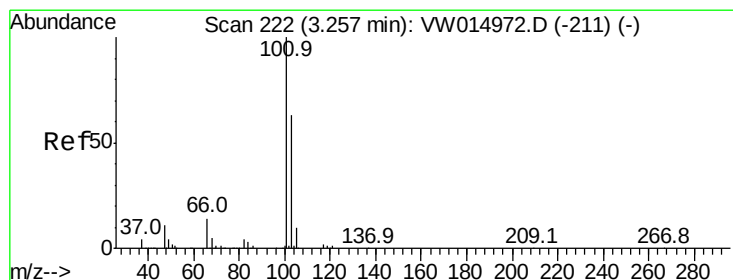
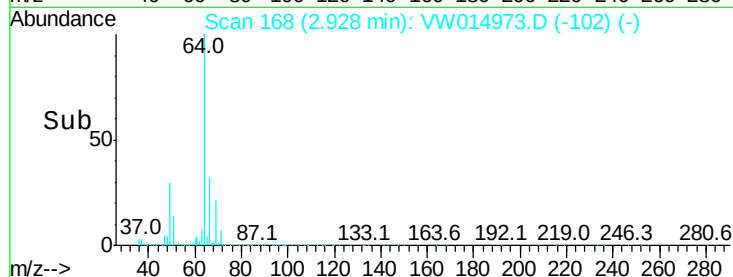
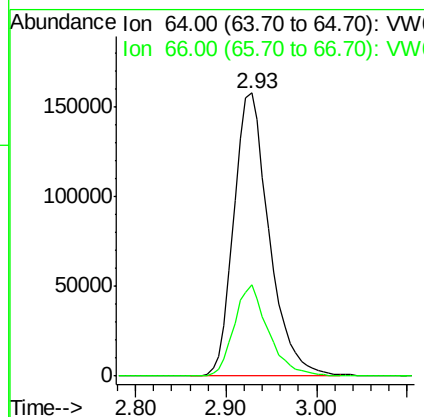
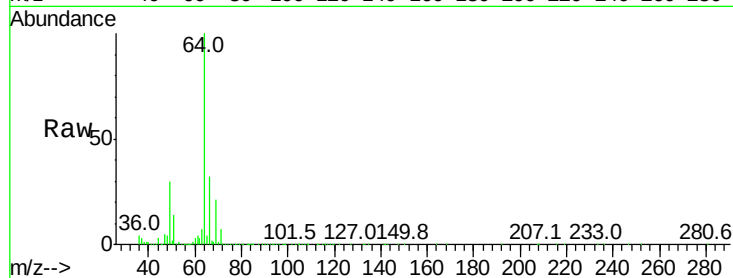
VSTD050304

Tgt Ion: 64 Resp: 426262

Ion Ratio Lower Upper

64 100

66 32.4 23.1 42.9



#9

Trichlorofluoromethane

Concen: 21.065 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014973.D

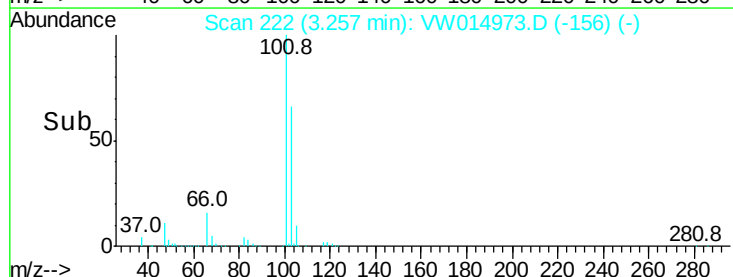
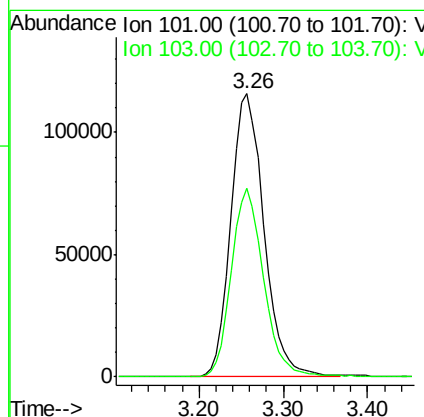
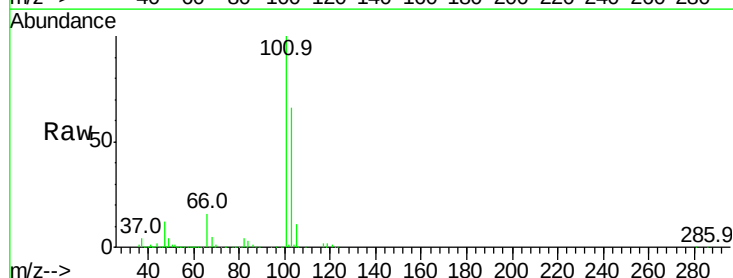
Acq: 13 Feb 2020 11:06

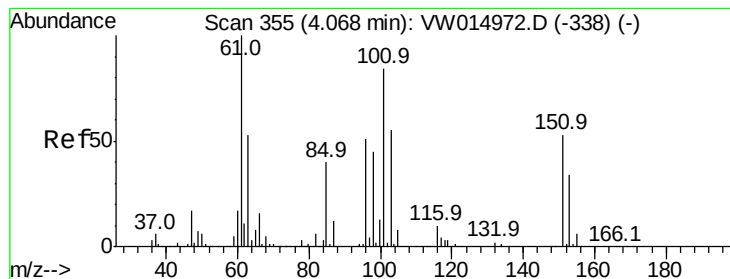
Tgt Ion: 101 Resp: 309464

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 57.892 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD050304

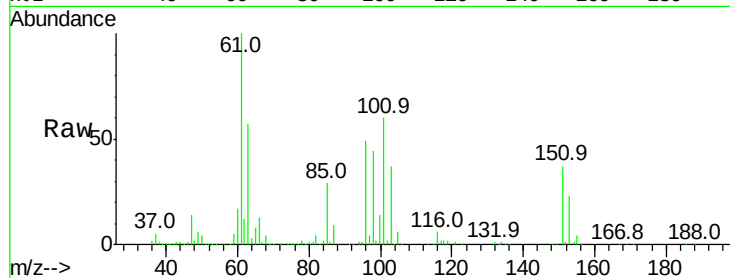
Tgt Ion: 101 Resp: 528011

Ion Ratio Lower Upper

101 100

85 46.5 36.5 54.7

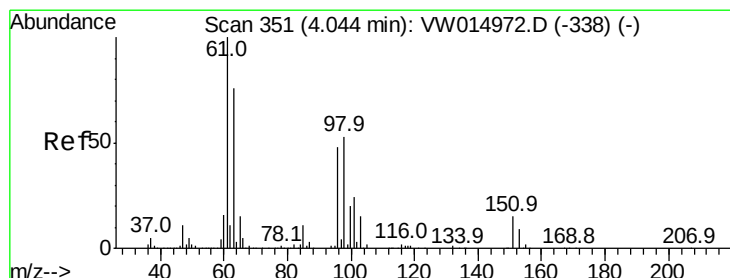
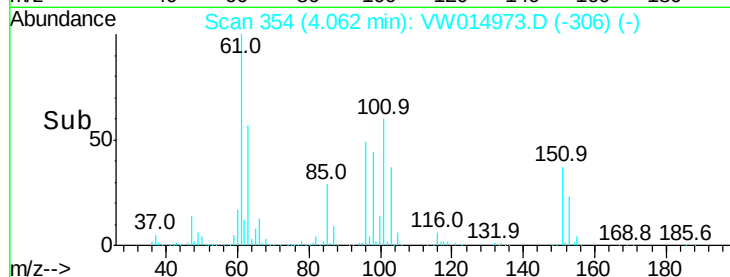
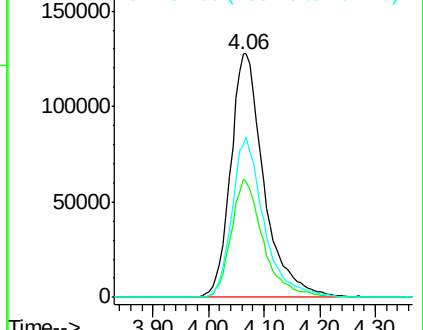
151 62.6 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 58.671 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

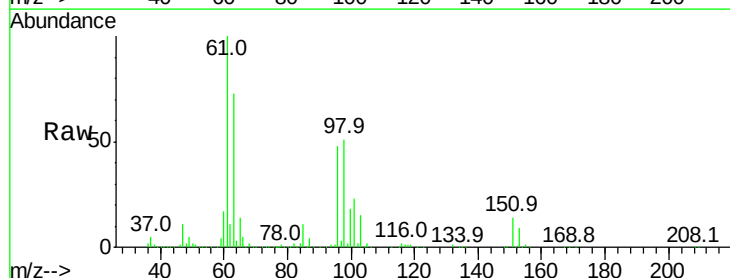
Tgt Ion: 96 Resp: 527950

Ion Ratio Lower Upper

96 100

61 208.1 147.0 273.0

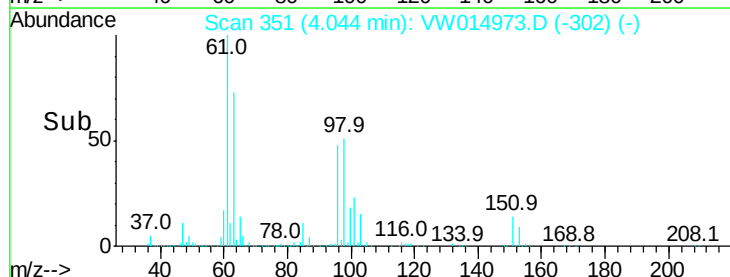
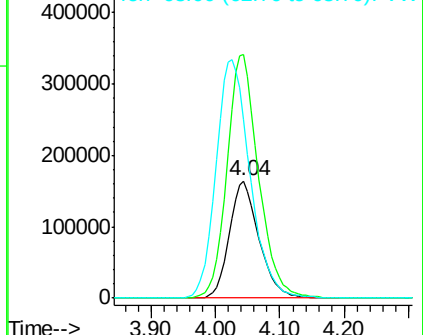
63 152.4 113.4 210.6

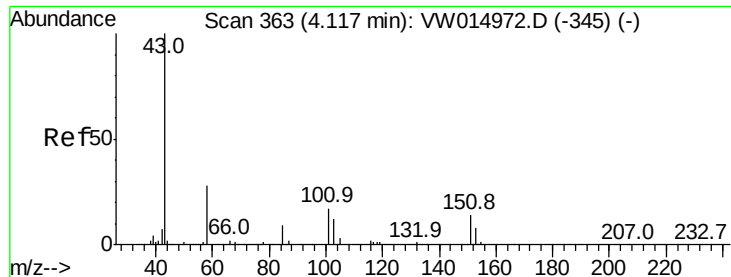


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 91.940 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

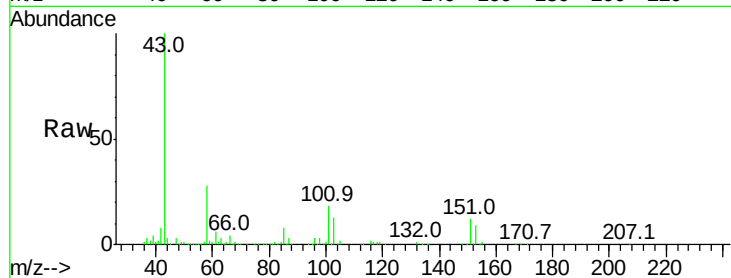
VSTD050304

Tgt Ion: 43 Resp: 447252

Ion Ratio Lower Upper

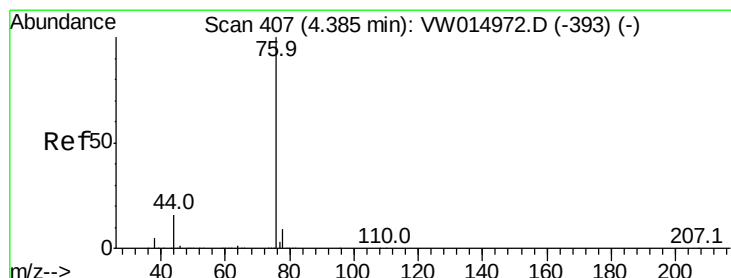
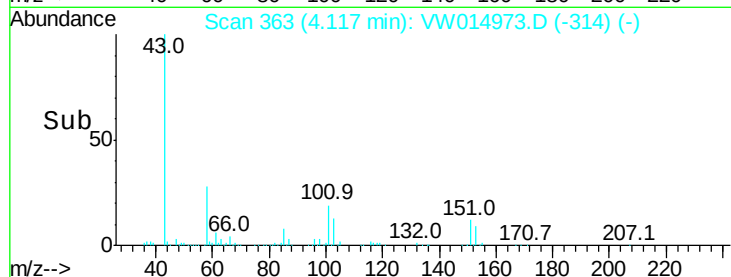
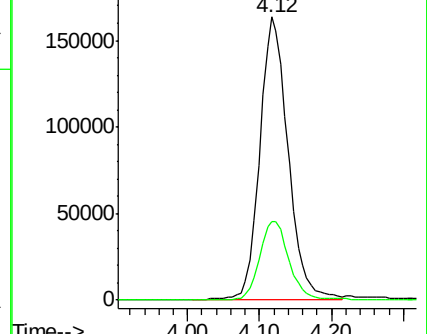
43 100

58 28.0 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 61.016 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014973.D

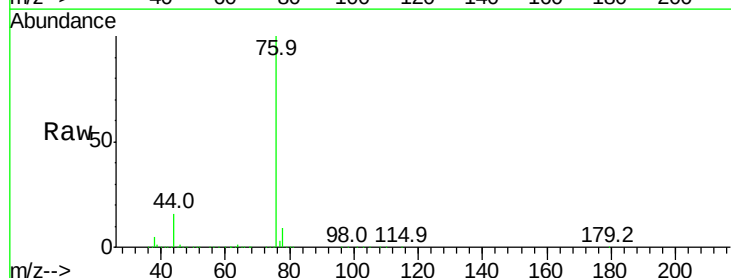
Acq: 13 Feb 2020 11:06

Tgt Ion: 76 Resp: 1854351

Ion Ratio Lower Upper

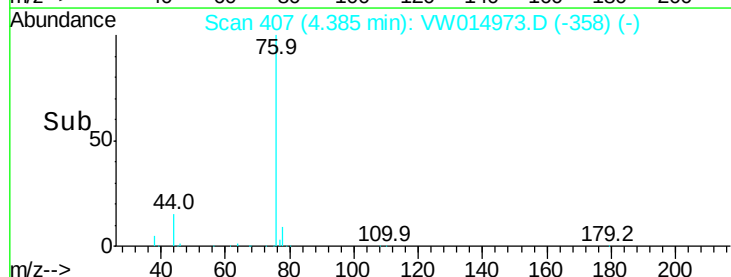
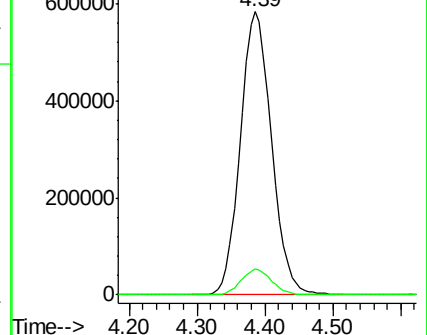
76 100

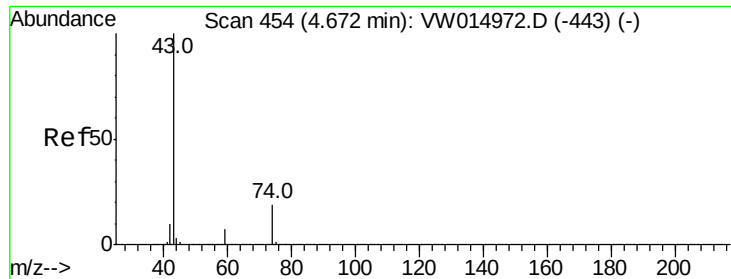
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

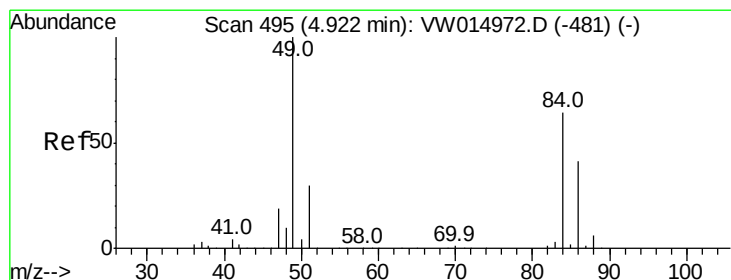
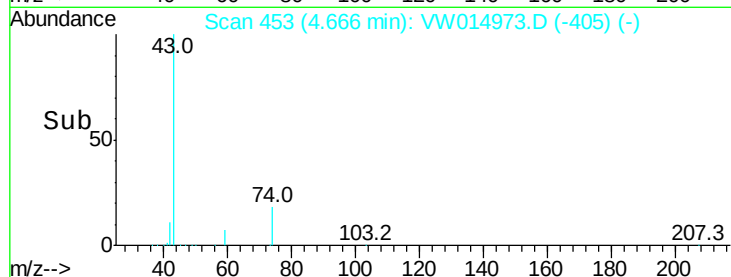
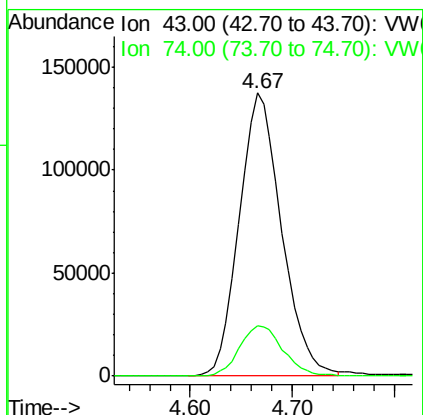
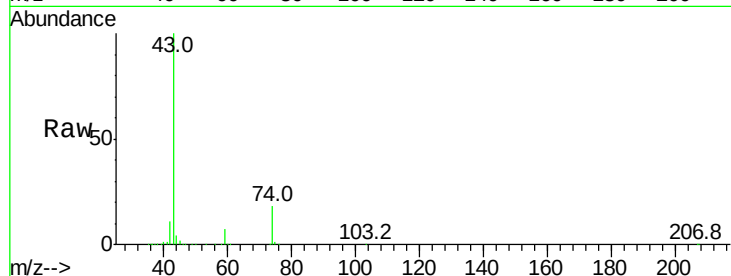




#15
Methyl Acetate
Concen: 52.477 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

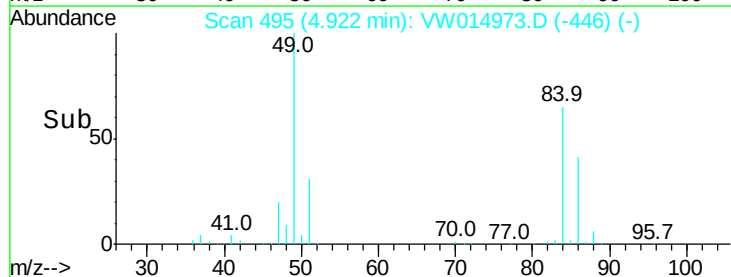
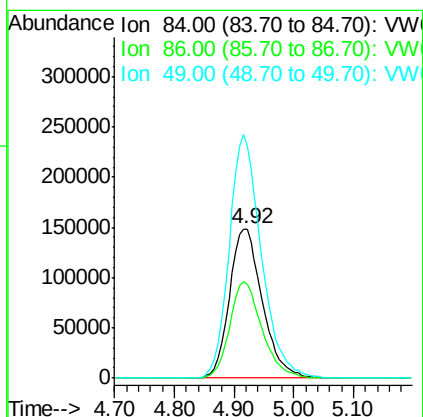
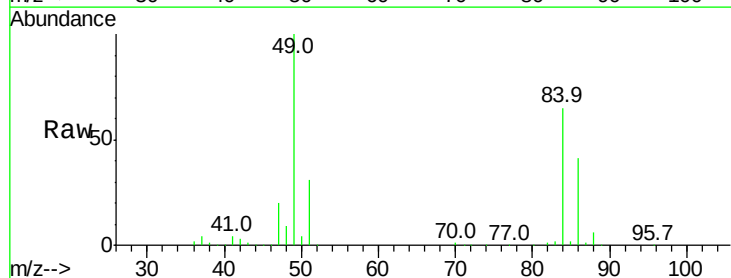
Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

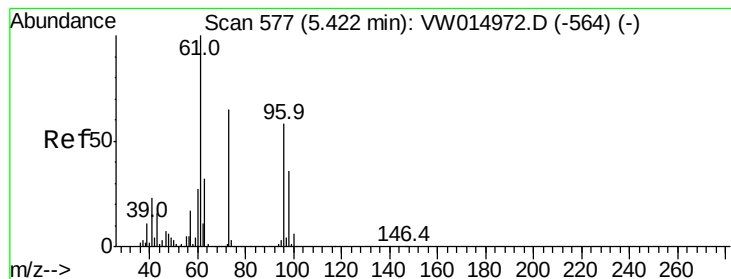
Tgt Ion: 43 Resp: 394506
Ion Ratio Lower Upper
43 100
74 18.3 14.6 21.8



#16
Methylene chloride
Concen: 49.029 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Tgt Ion: 84 Resp: 570675
Ion Ratio Lower Upper
84 100
86 63.1 44.4 82.4
49 155.0 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 52.878 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD050304

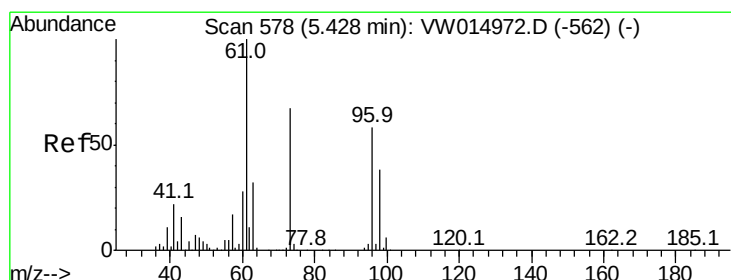
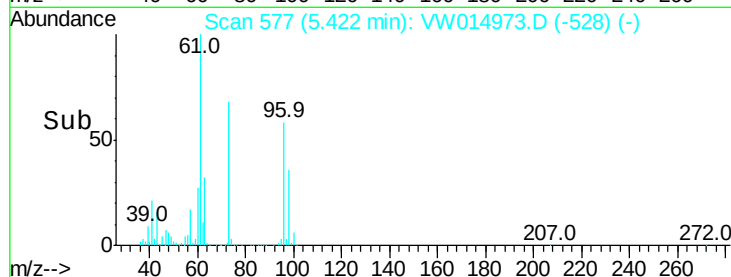
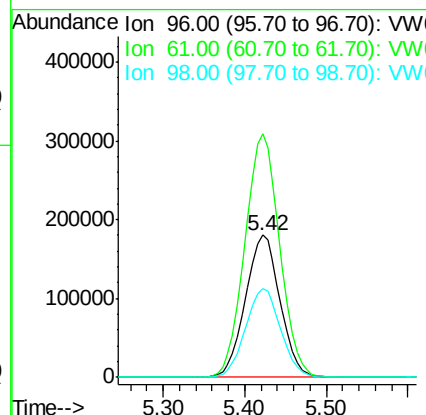
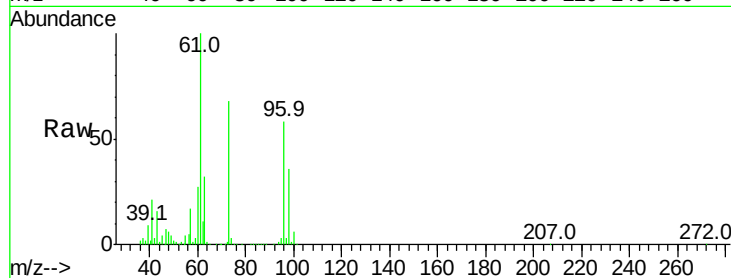
Tgt Ion: 96 Resp: 532821

Ion Ratio Lower Upper

96 100

61 171.3 120.1 223.1

98 62.4 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 25.711 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

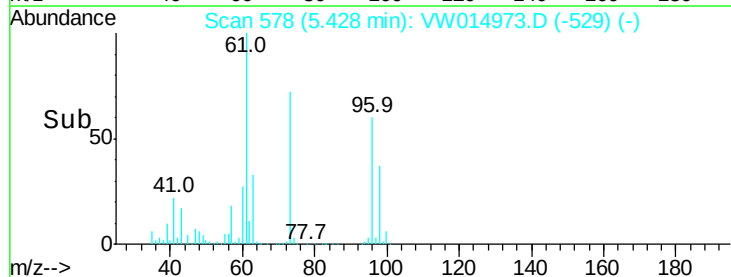
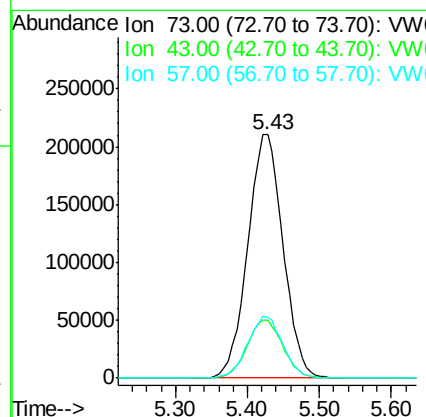
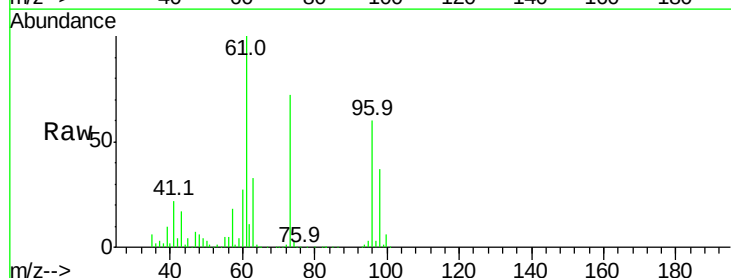
Tgt Ion: 73 Resp: 715512

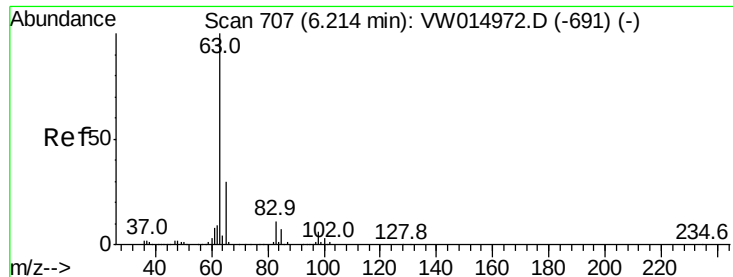
Ion Ratio Lower Upper

73 100

43 23.9 19.6 29.4

57 25.2 21.0 31.4



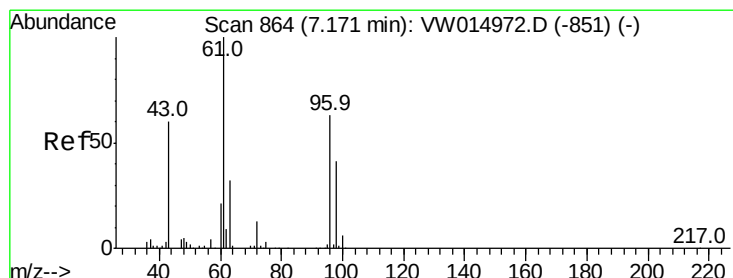
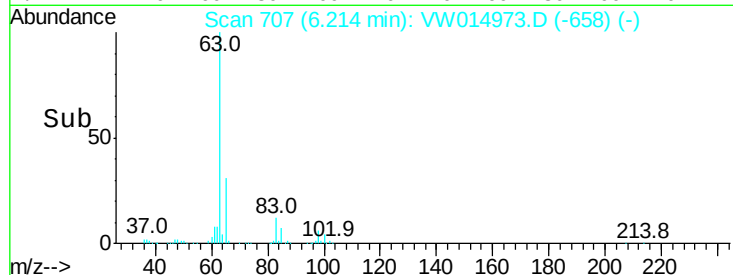
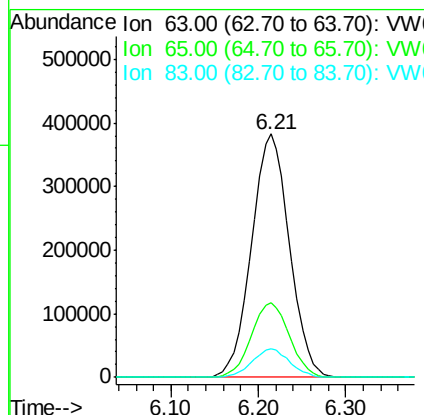
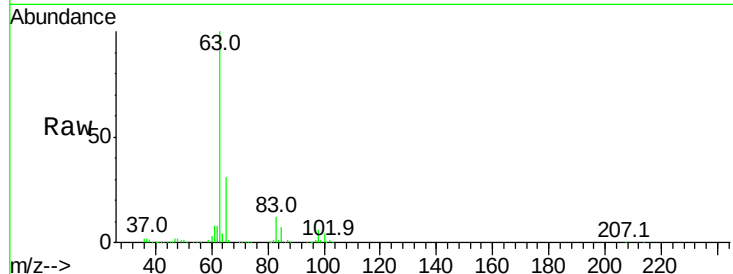


#19
 1,1-Dichloroethane
 Concen: 66.995 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

Tgt Ion: 63 Resp: 1152624

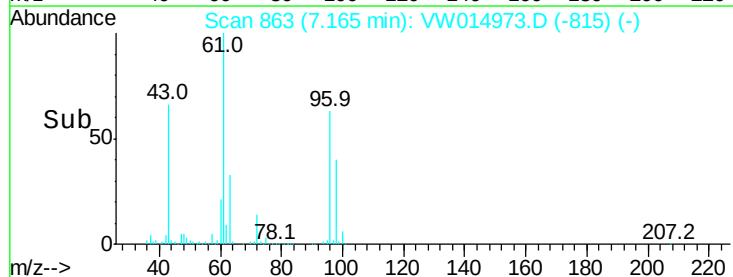
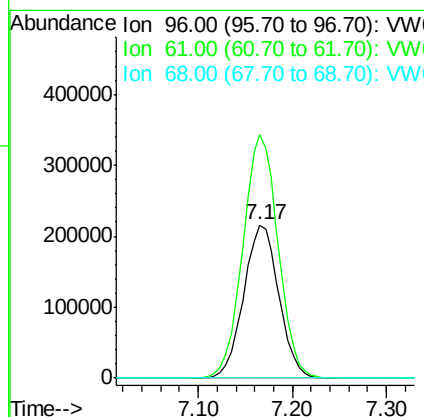
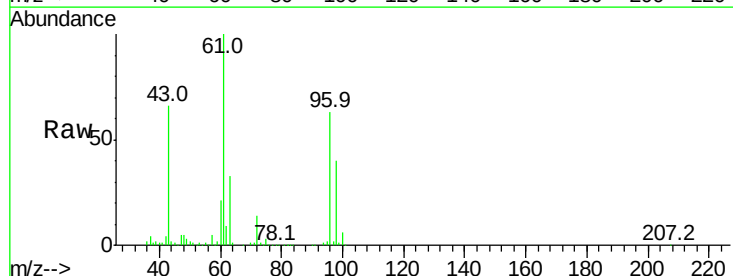
Ion	Ratio	Lower	Upper
63	100		
65	30.6	20.9	38.7
83	11.6	7.8	14.6

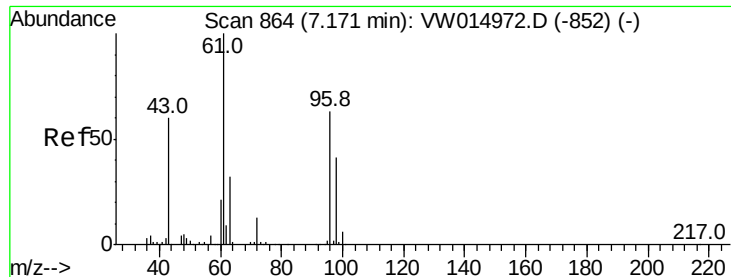


#20
 cis-1,2-Dichloroethene
 Concen: 51.031 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion: 96 Resp: 564800

Ion	Ratio	Lower	Upper
96	100		
61	158.8	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 97.256 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

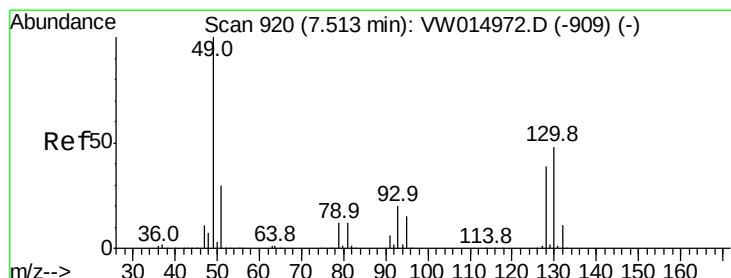
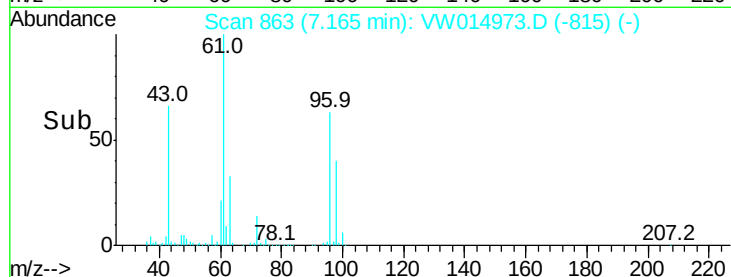
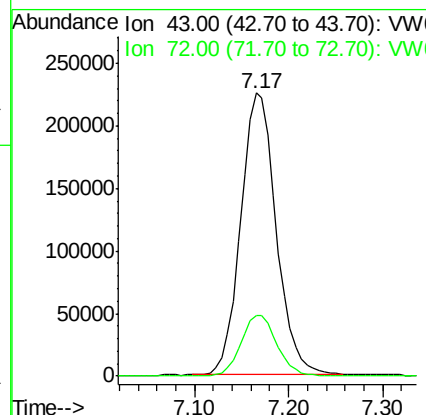
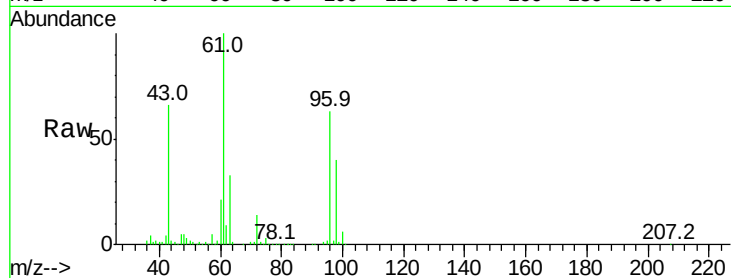
VSTD050304

Tgt Ion: 43 Resp: 592356

Ion Ratio Lower Upper

43 100

72 22.0 11.1 33.1



#23

Bromochloromethane

Concen: 44.778 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Tgt Ion: 128 Resp: 219095

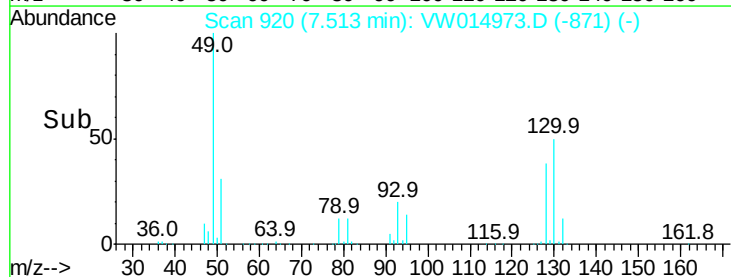
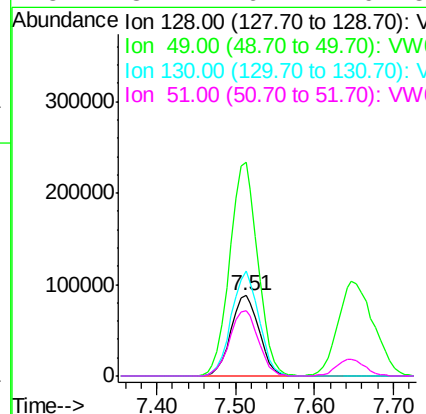
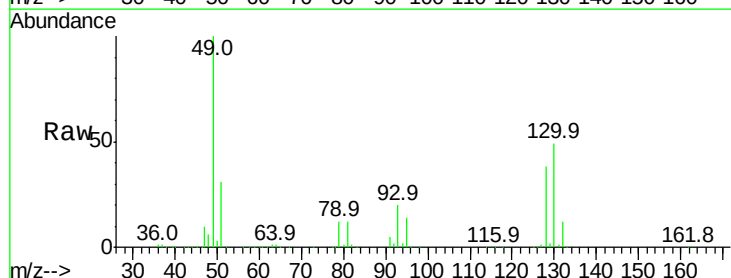
Ion Ratio Lower Upper

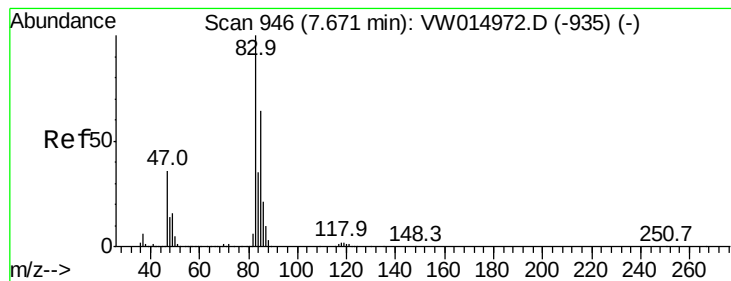
128 100

49 266.3 179.0 332.4

130 131.7 85.5 158.7

51 81.4 61.7 92.5





#25

Chloroform

Concen: 59.753 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

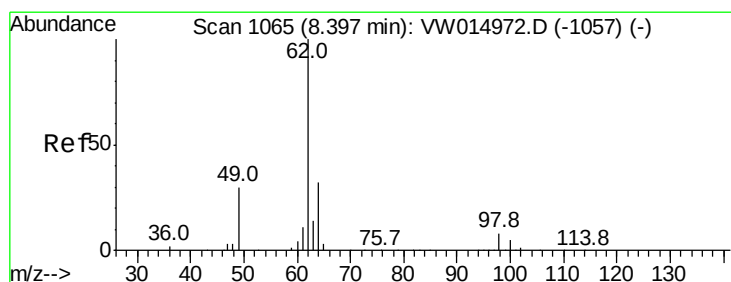
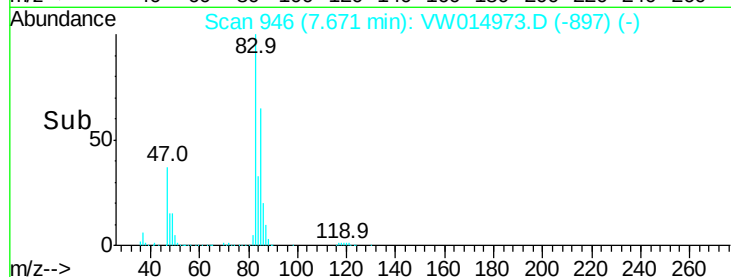
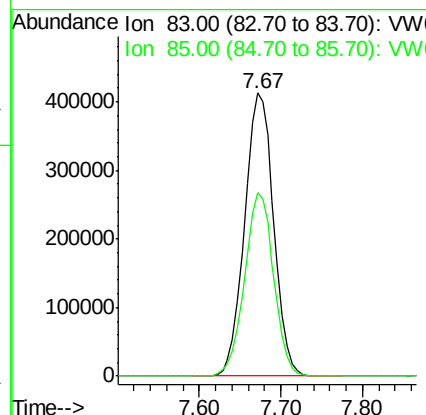
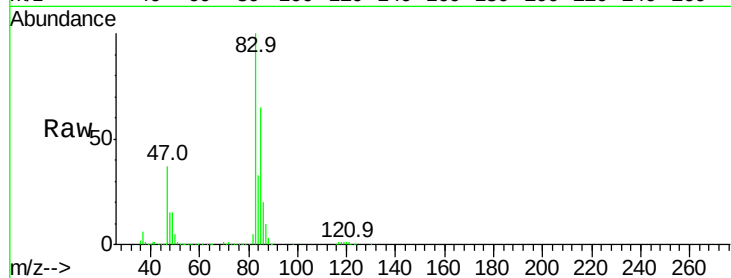
VSTD050304

Tgt Ion: 83 Resp: 1017201

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 63.870 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014973.D

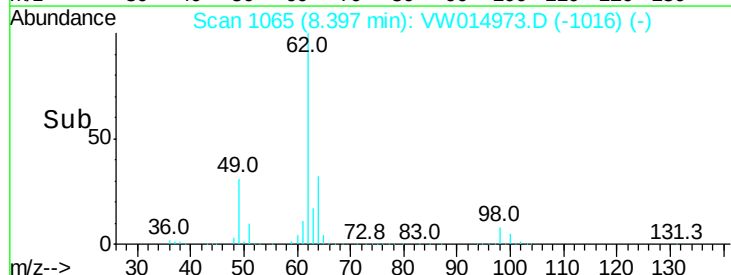
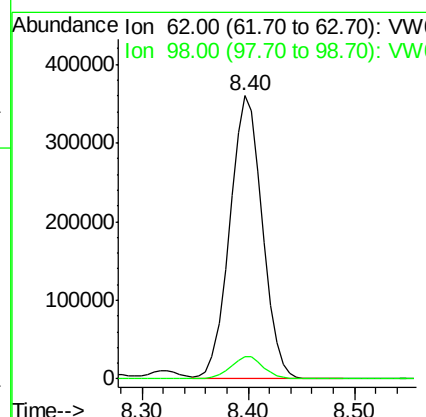
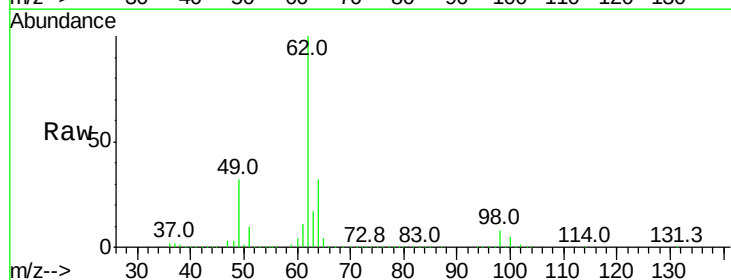
Acq: 13 Feb 2020 11:06

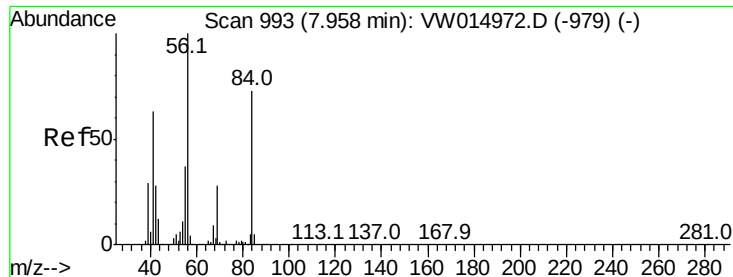
Tgt Ion: 62 Resp: 770922

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.4

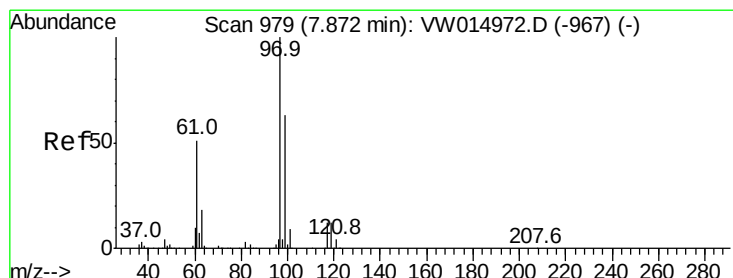
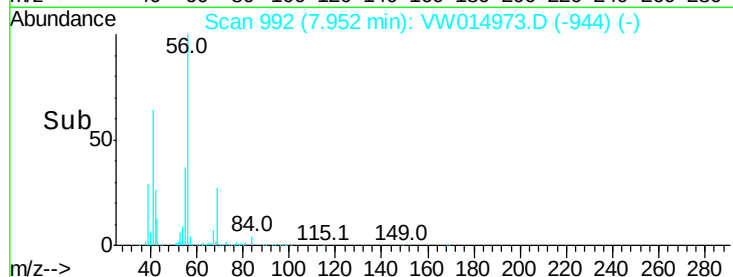
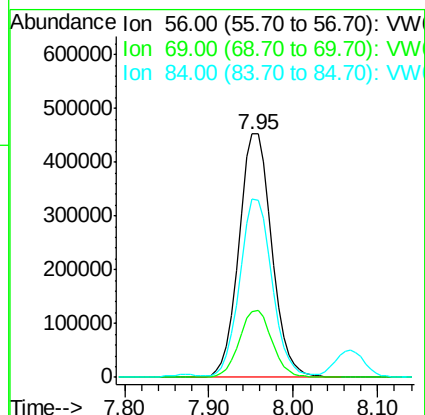
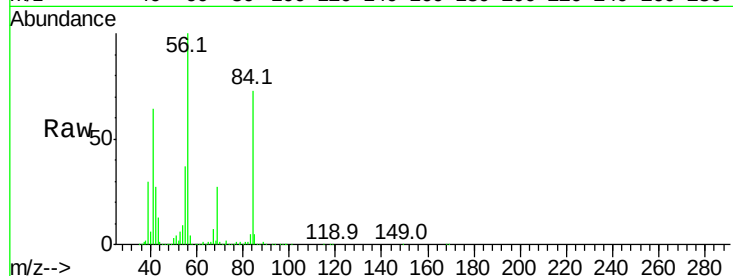




#29
Cyclohexane
Concen: 65.732 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

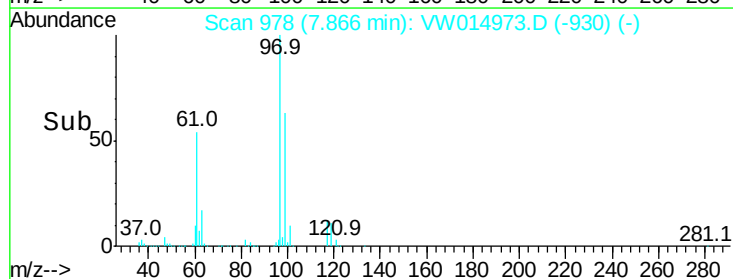
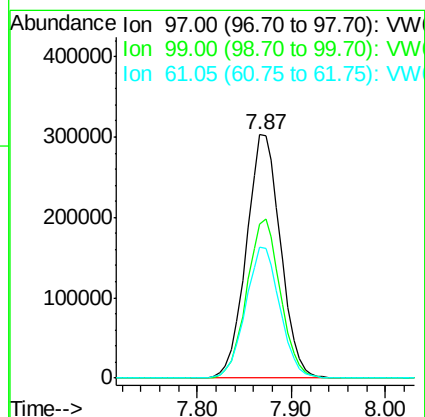
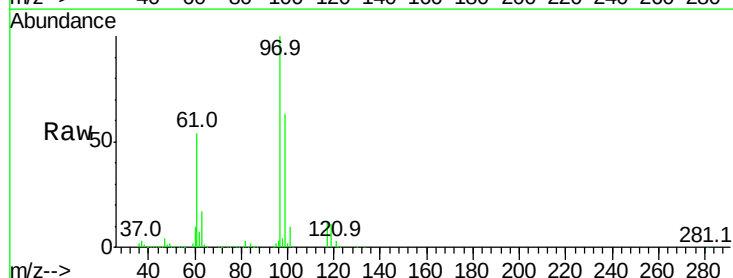
Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

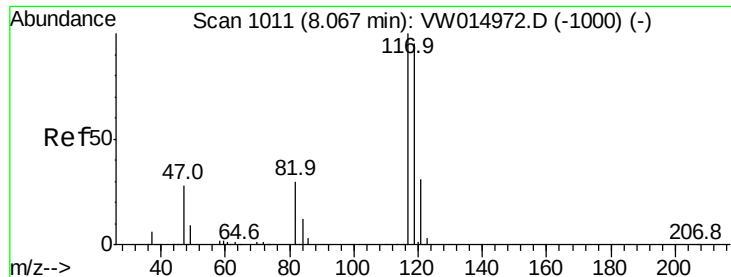
Tgt Ion: 56 Resp: 1192966
Ion Ratio Lower Upper
56 100
69 27.2 22.0 33.0
84 71.9 57.8 86.6



#30
1,1,1-Trichloroethane
Concen: 52.893 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Tgt Ion: 97 Resp: 771445
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 53.7 42.7 64.1





#31

Carbon tetrachloride

Concen: 55.051 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

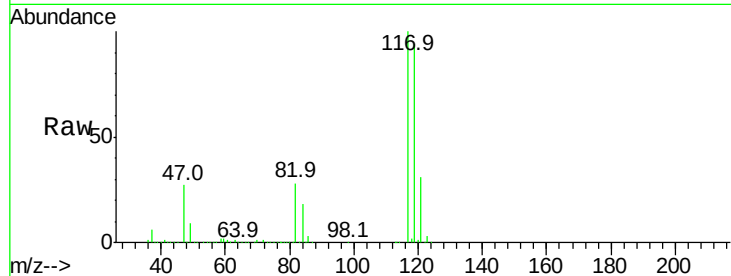
VSTD050304

Tgt Ion:117 Resp: 708118

Ion Ratio Lower Upper

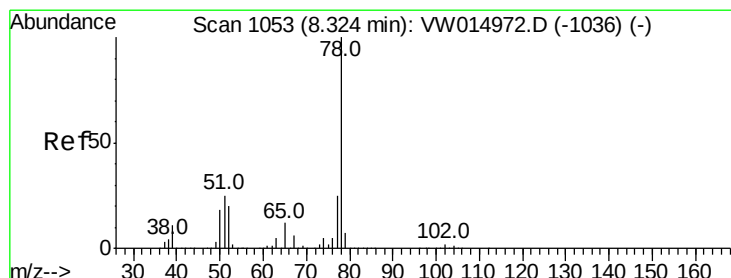
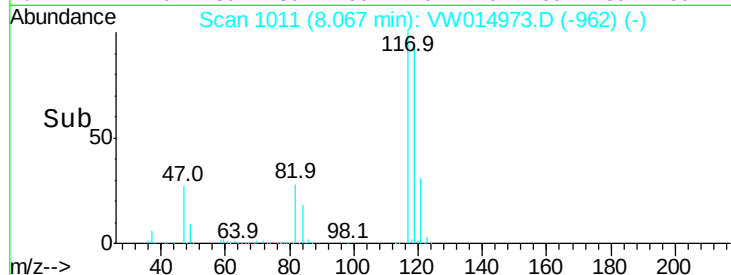
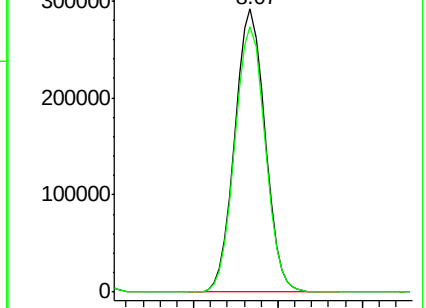
117 100

119 94.6 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 57.861 ug/L

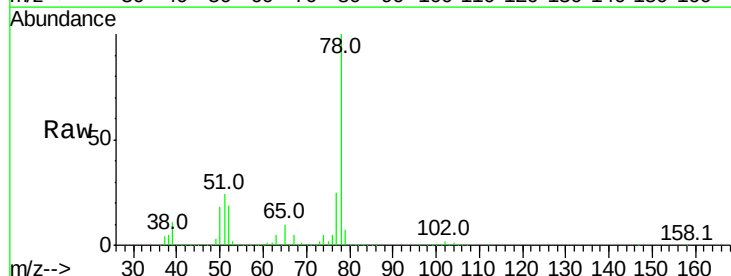
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

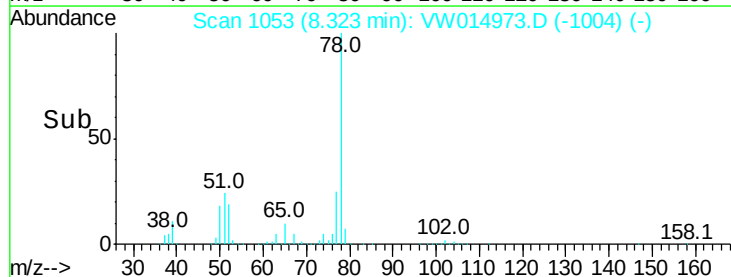
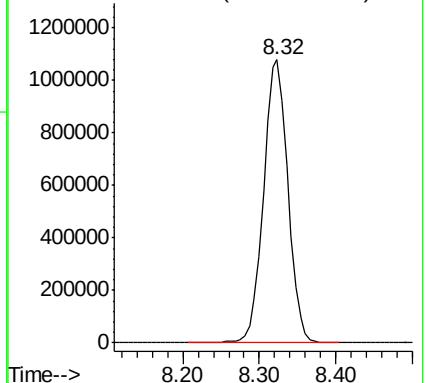
Lab File: VW014973.D

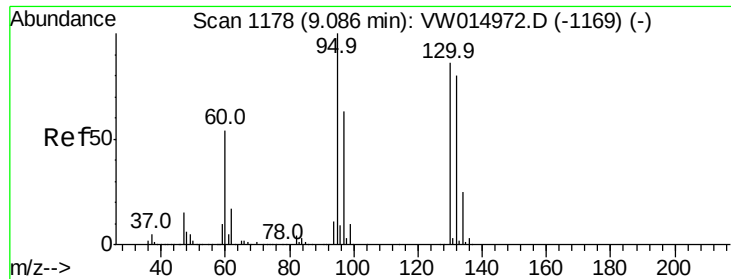
Acq: 13 Feb 2020 11:06

Tgt Ion: 78 Resp: 2397722



Abundance Ion 78.00 (77.70 to 78.70): VW

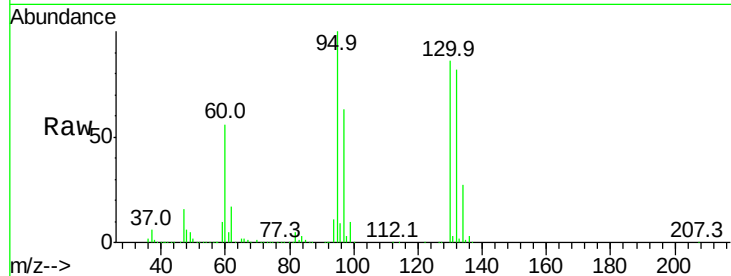




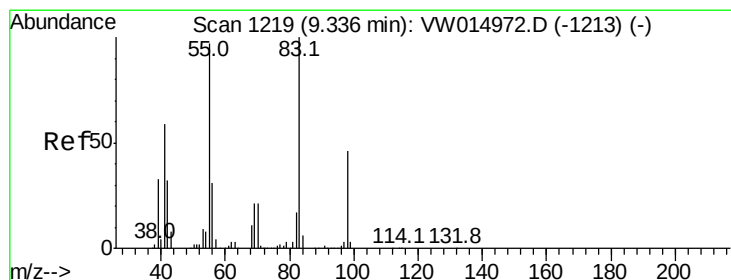
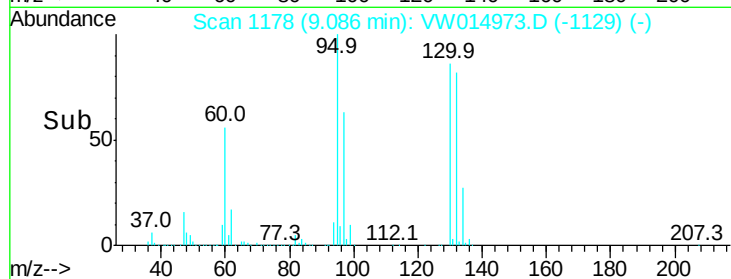
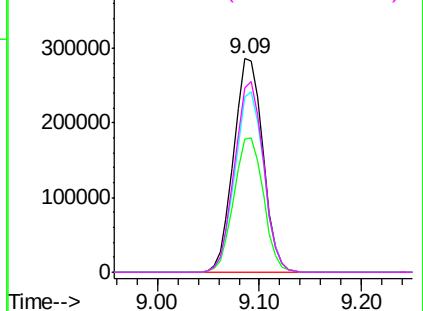
#34
 Trichloroethene
 Concen: 53.921 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

Tgt Ion: 95 Resp: 570206
 Ion Ratio Lower Upper
 95 100
 97 62.6 44.2 82.0
 132 82.2 56.1 104.3
 130 86.4 60.1 111.7

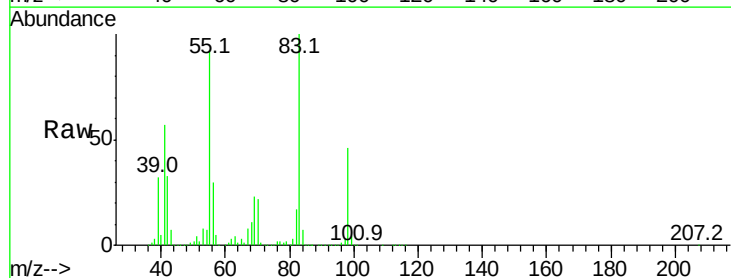


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

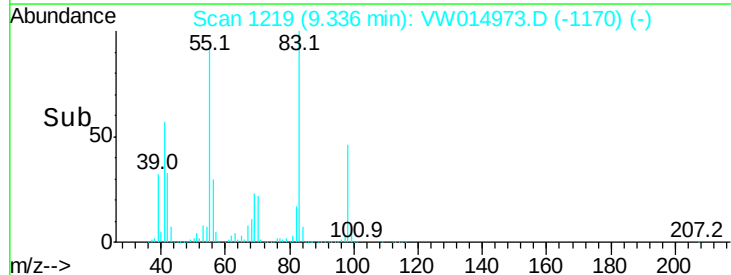
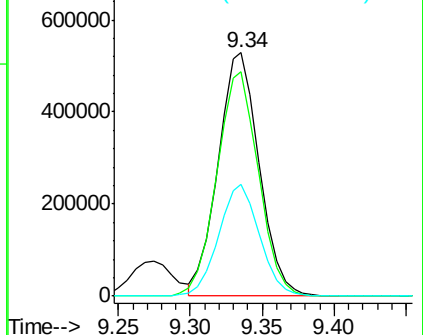


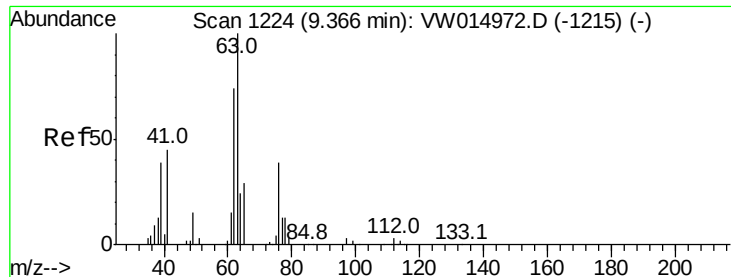
#35
 Methylcyclohexane
 Concen: 54.085 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion: 83 Resp: 1054131
 Ion Ratio Lower Upper
 83 100
 55 93.2 76.3 114.5
 98 45.7 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

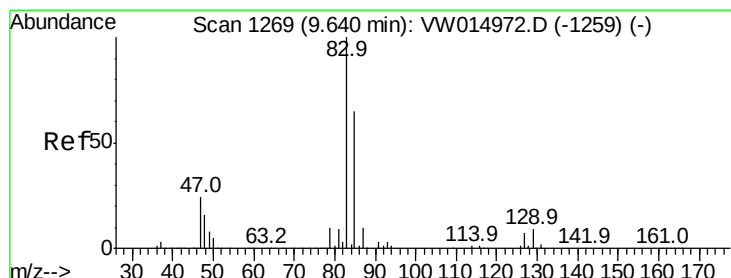
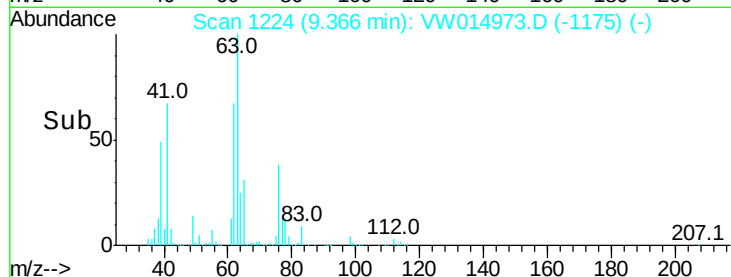
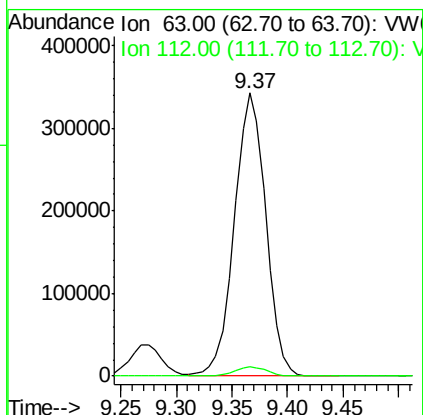
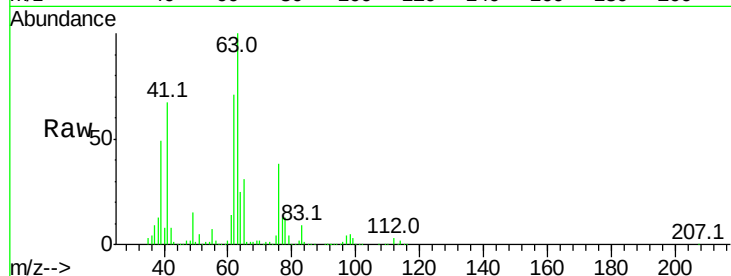




#37
 1,2-Dichloropropane
 Concen: 64.081 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

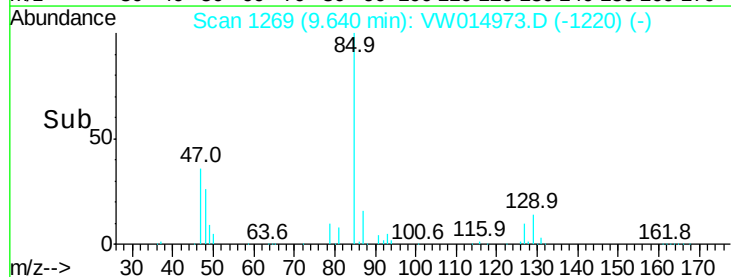
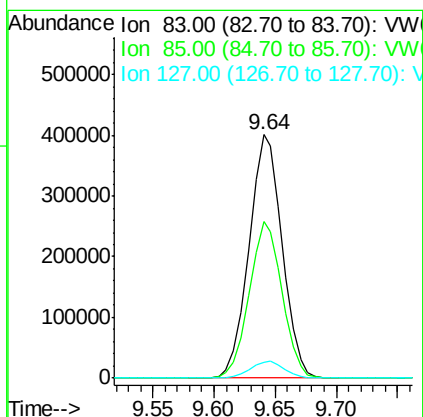
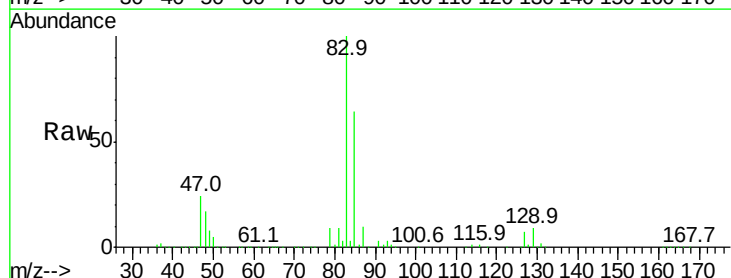
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

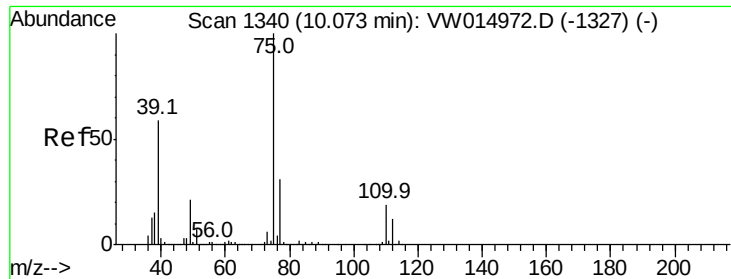
Tgt Ion: 63 Resp: 669070
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0



#38
 Bromodichloromethane
 Concen: 56.474 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion: 83 Resp: 754821
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.2 84.0
 127 6.6 5.5 8.3

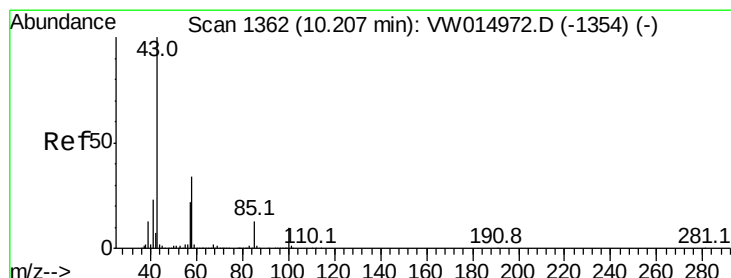
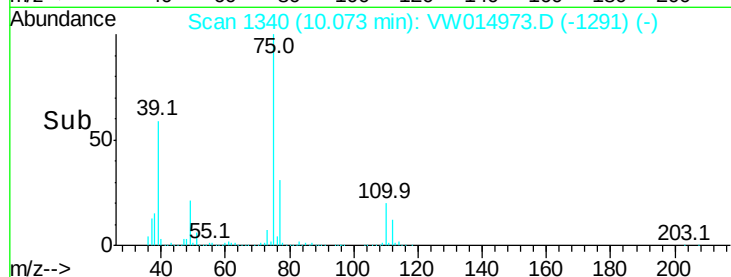
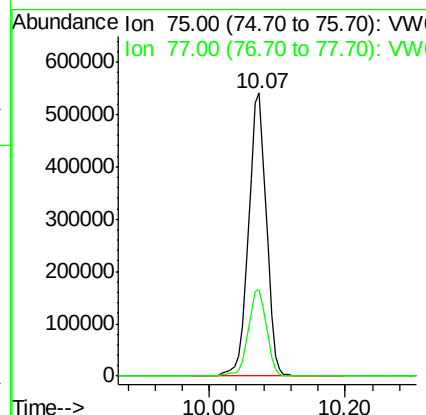
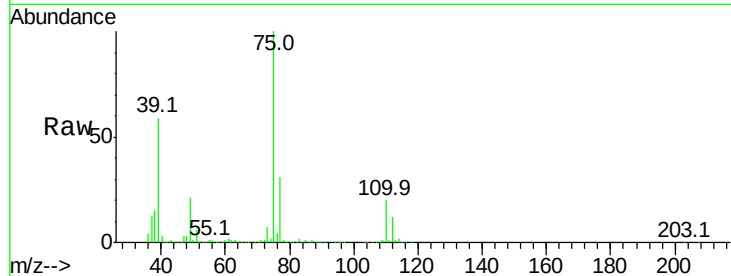




#39
 cis-1,3-Dichloropropene
 Concen: 55.492 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

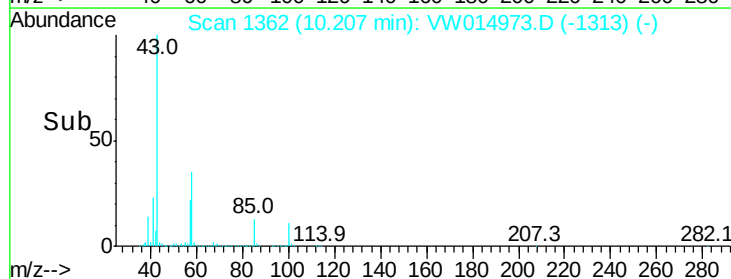
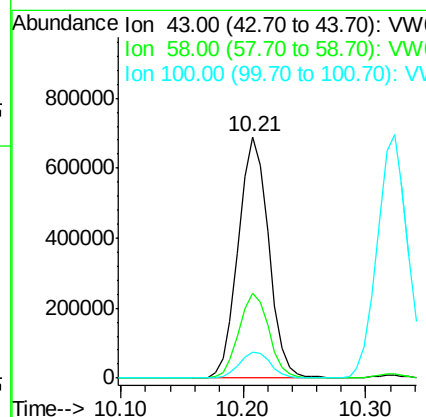
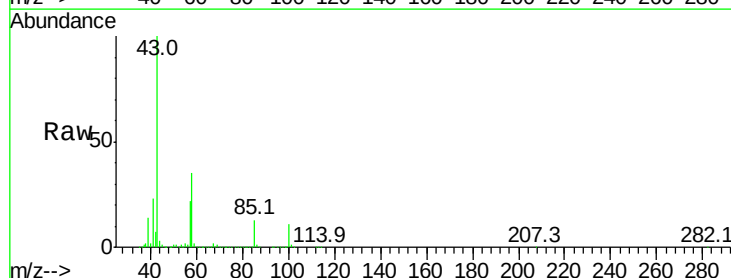
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

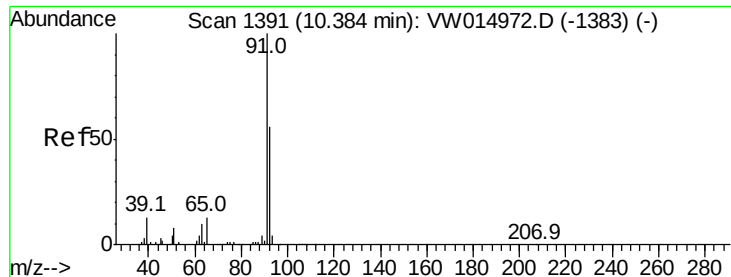
Tgt Ion: 75 Resp: 981416
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 104.336 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion: 43 Resp: 1182708
 Ion Ratio Lower Upper
 43 100
 58 34.9 27.7 41.5
 100 10.9 8.6 13.0





#42

Toluene

Concen: 54.315 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

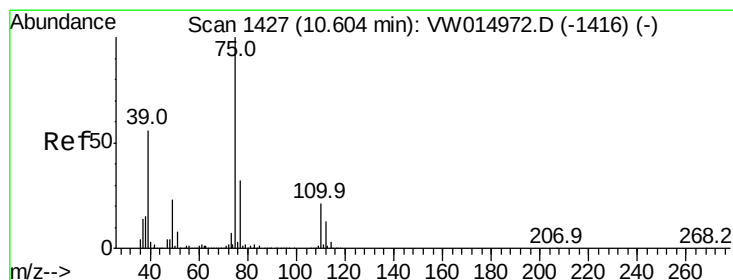
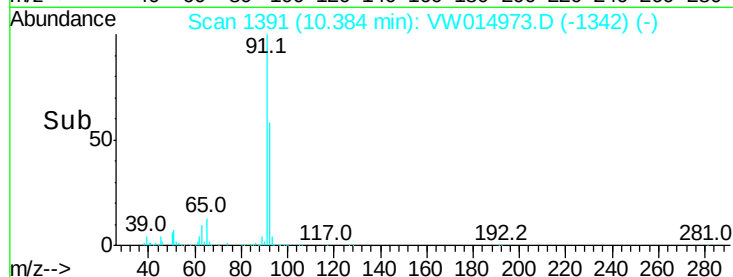
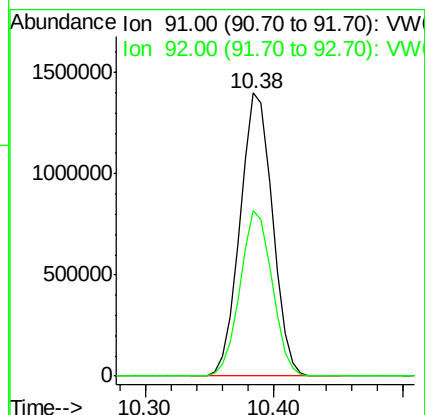
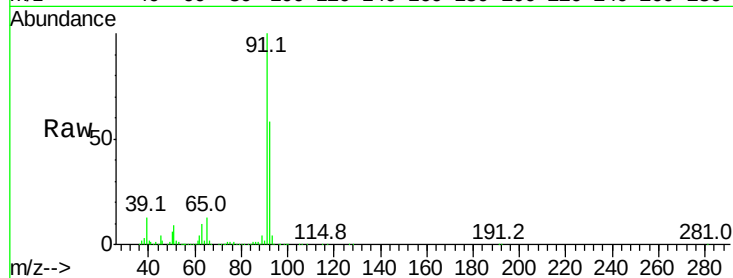
VSTD050304

Tgt Ion: 91 Resp: 2436963

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 54.788 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014973.D

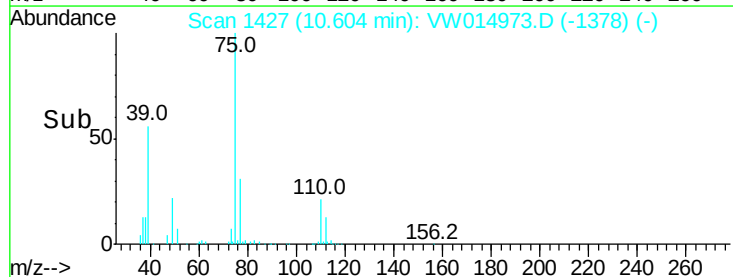
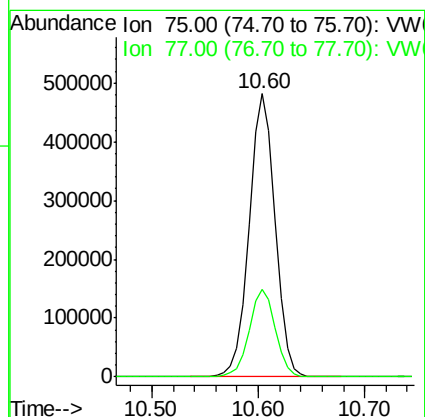
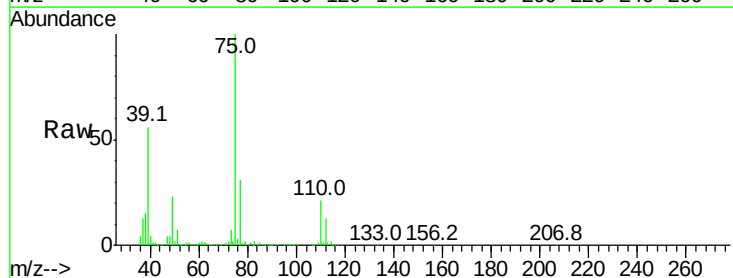
Acq: 13 Feb 2020 11:06

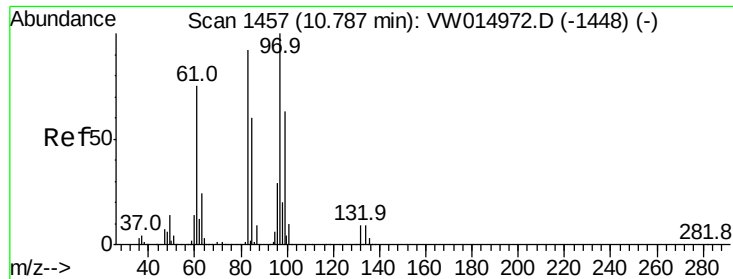
Tgt Ion: 75 Resp: 824349

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.1

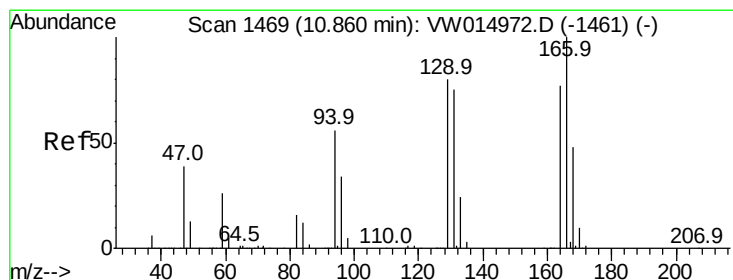
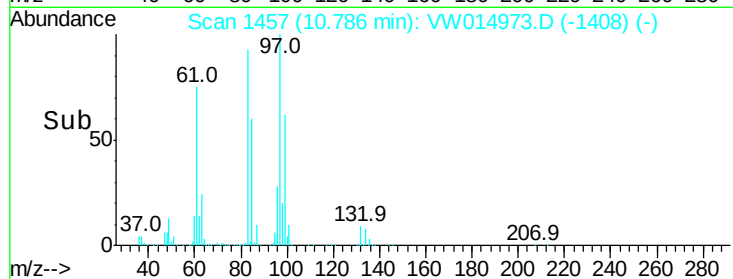
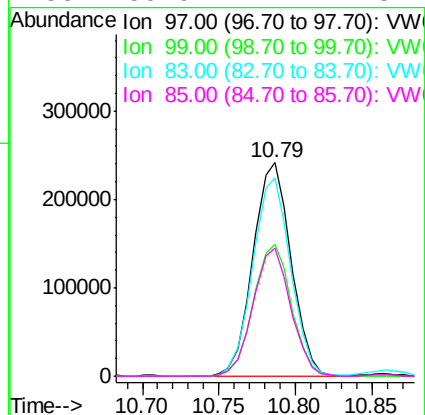
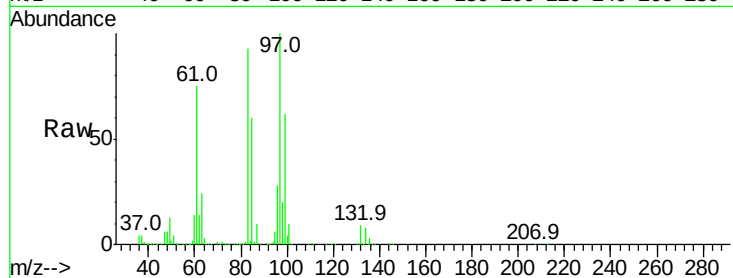




#45
 1,1,2-Trichloroethane
 Concen: 46.605 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

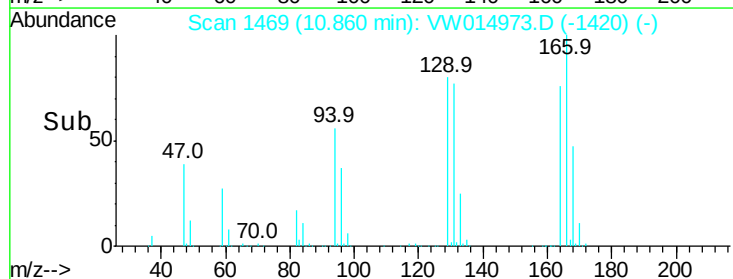
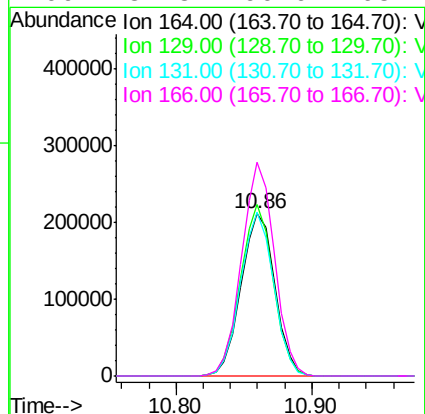
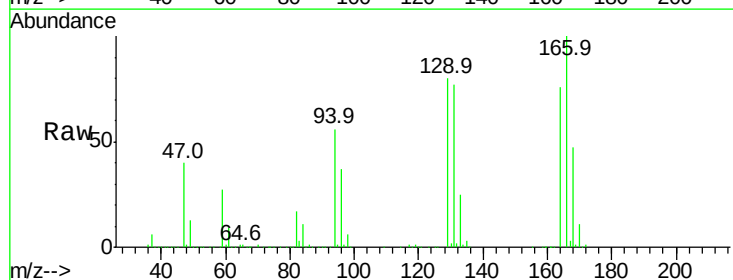
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

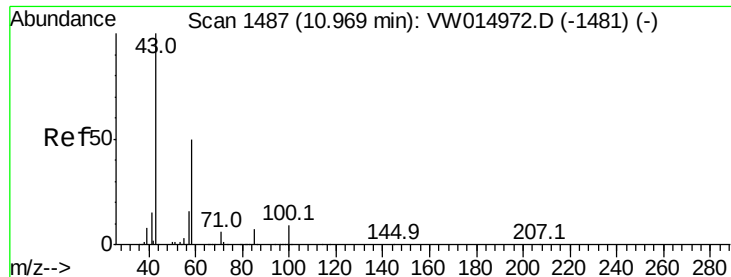
Tgt Ion:	97	Resp:	419134
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.2	82.0
83	93.2	64.1	119.1
85	59.9	42.1	78.1



#46
 Tetrachloroethene
 Concen: 44.994 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion:	164	Resp:	366007
Ion	Ratio	Lower	Upper
164	100		
129	105.5	72.2	134.2
131	101.3	68.1	126.5
166	131.8	90.6	168.2

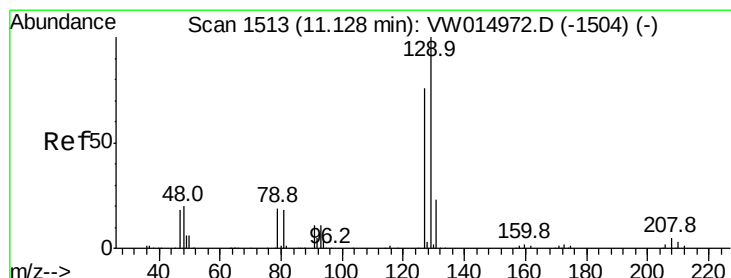
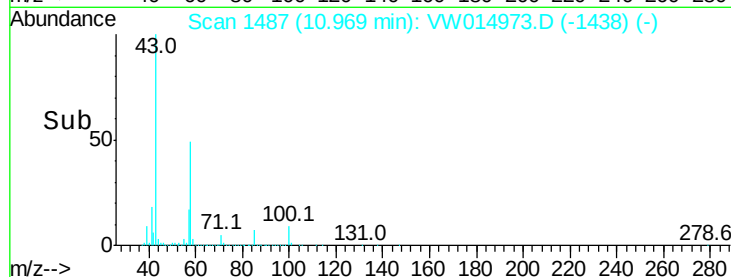
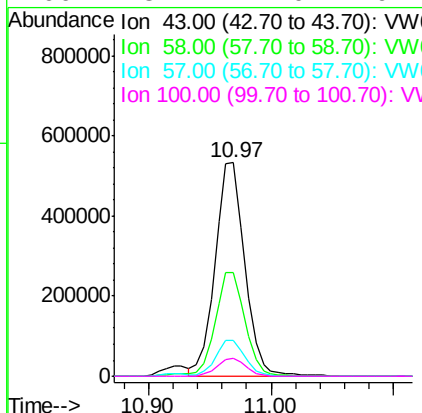
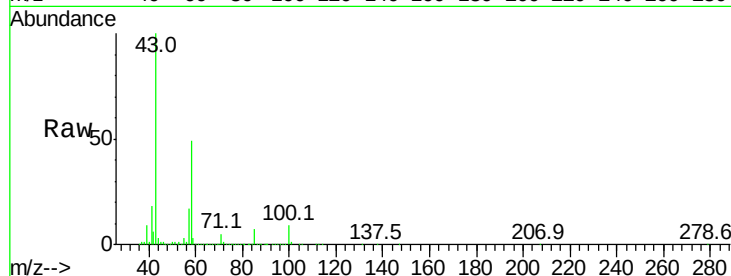




#48
2-Hexanone
Concen: 103.066 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

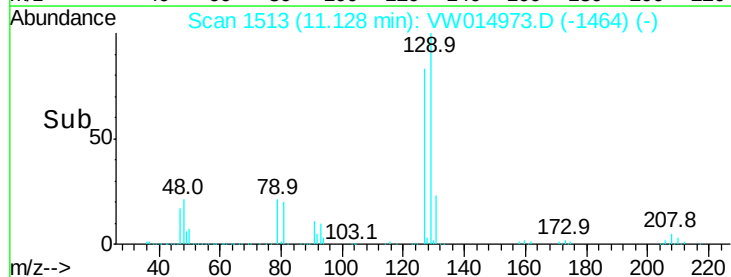
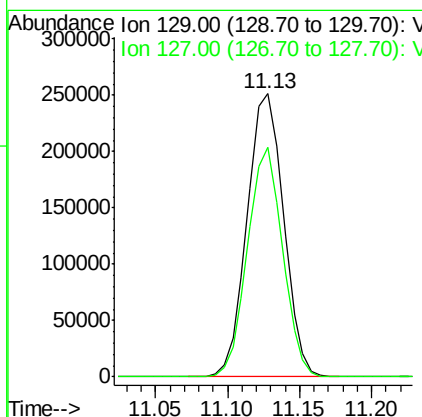
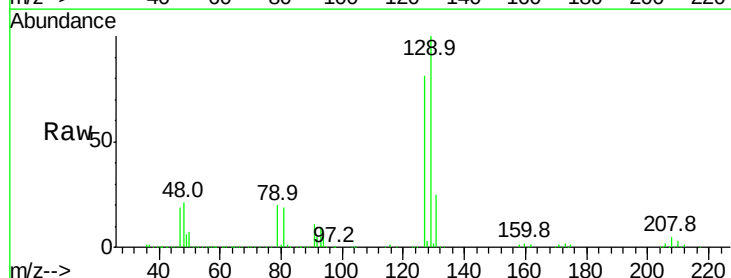
Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

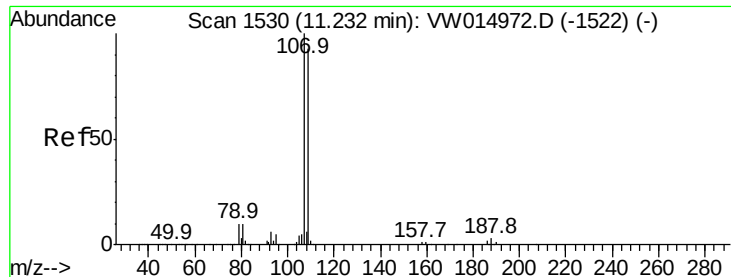
Tgt Ion:	43	Resp:	896124
Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.2	58.8
57	16.3	13.1	19.7
100	8.4	7.0	10.4



#49
Dibromochloromethane
Concen: 45.449 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Tgt Ion:	129	Resp:	441773
Ion	Ratio	Lower	Upper
129	100		
127	81.3	53.0	98.4

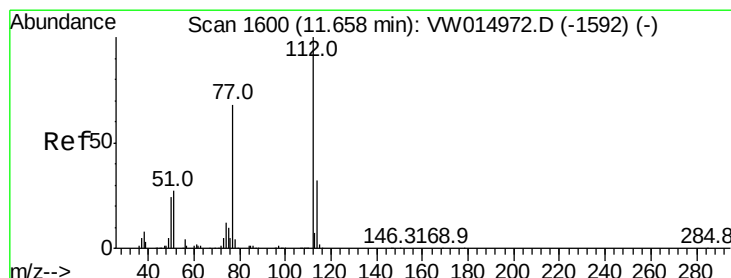
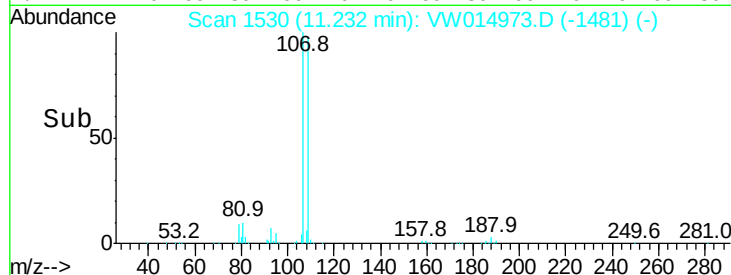
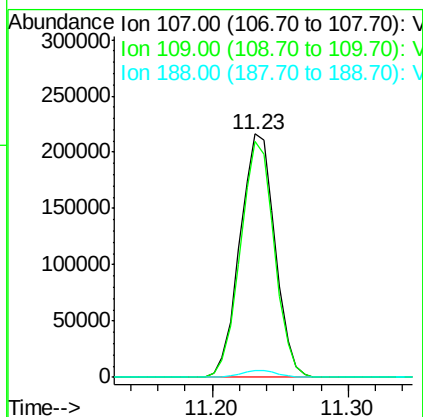
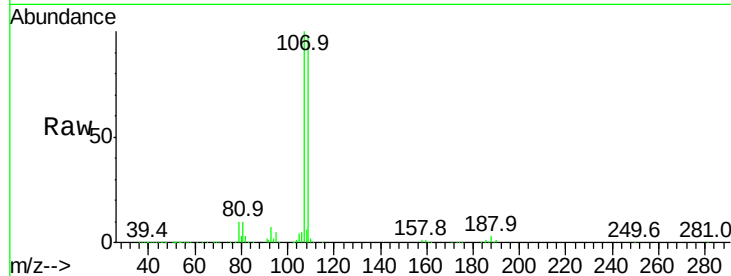




#50
1,2-Dibromoethane
Concen: 42.829 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

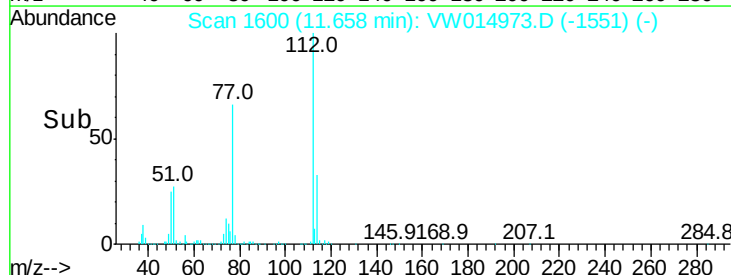
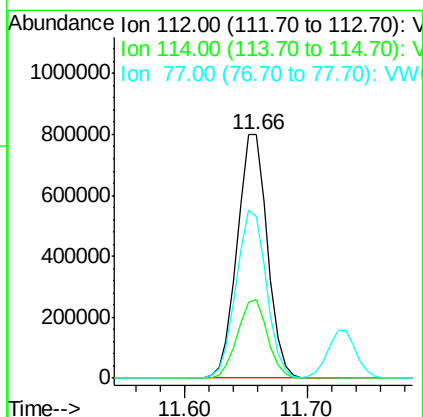
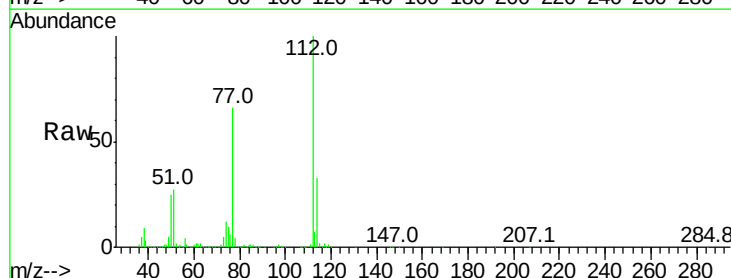
Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

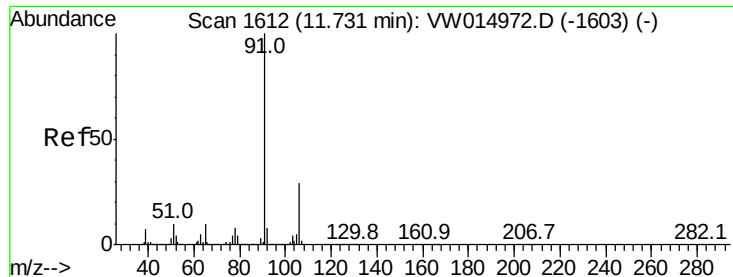
Tgt Ion:107 Resp: 389059
Ion Ratio Lower Upper
107 100
109 97.1 65.1 120.9
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 48.074 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Tgt Ion:112 Resp: 1366677
Ion Ratio Lower Upper
112 100
114 32.5 22.6 42.0
77 66.3 54.6 82.0





#52

Ethylbenzene

Concen: 53.704 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

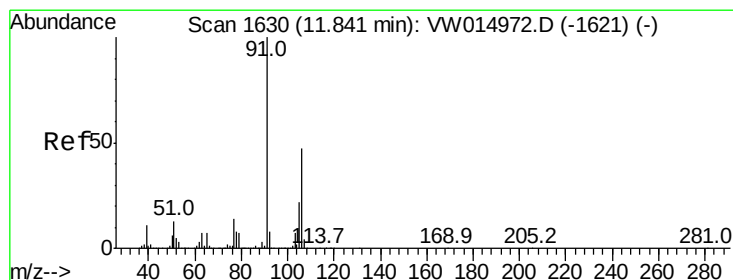
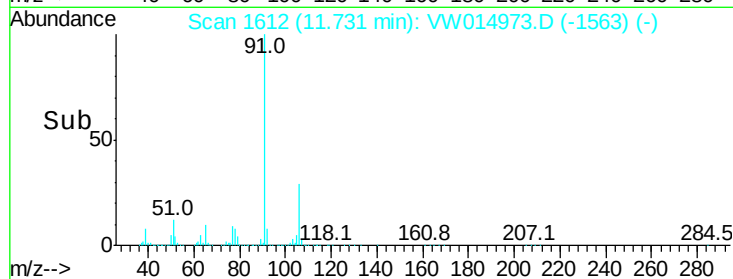
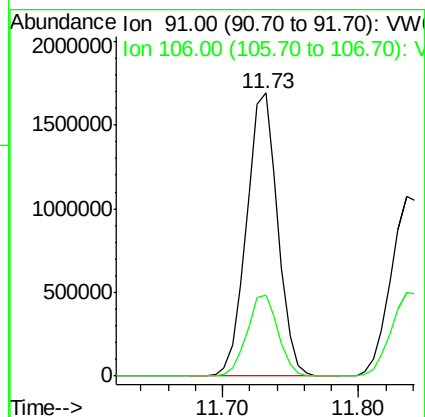
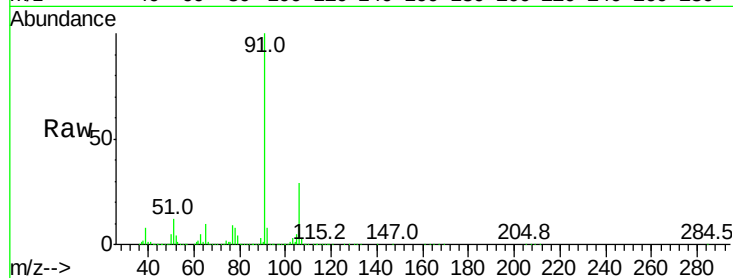
VSTD050304

Tgt Ion: 91 Resp: 2701285

Ion Ratio Lower Upper

91 100

106 28.8 20.2 37.4



#53

m,p-Xylene

Concen: 48.830 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014973.D

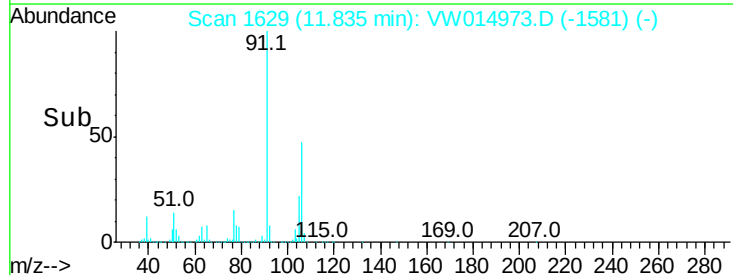
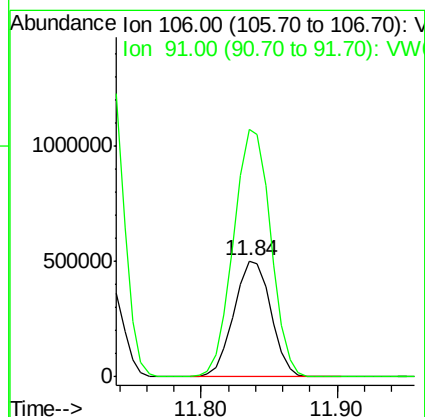
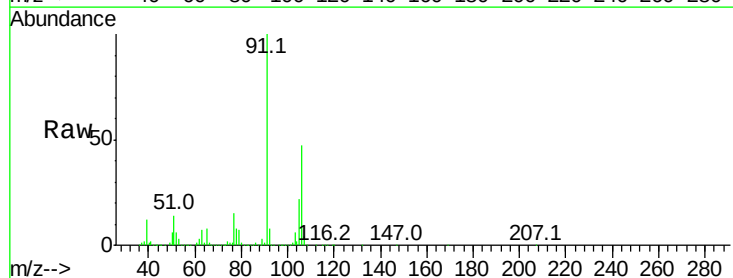
Acq: 13 Feb 2020 11:06

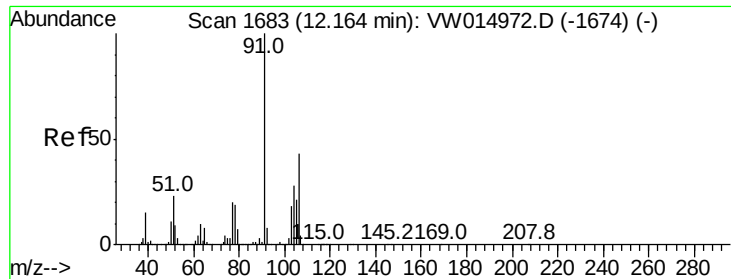
Tgt Ion: 106 Resp: 954292

Ion Ratio Lower Upper

106 100

91 213.6 149.2 277.2

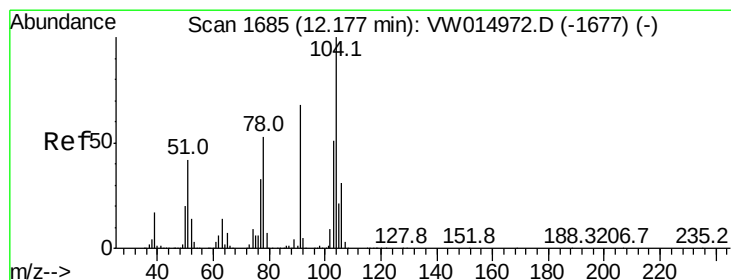
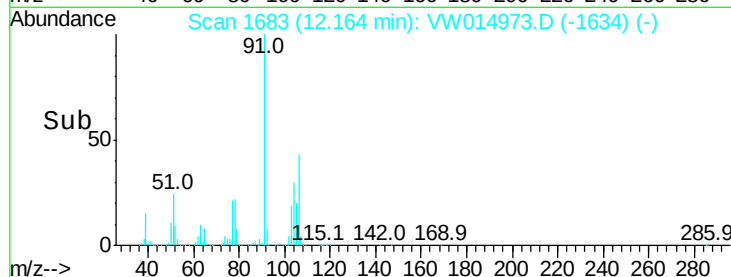
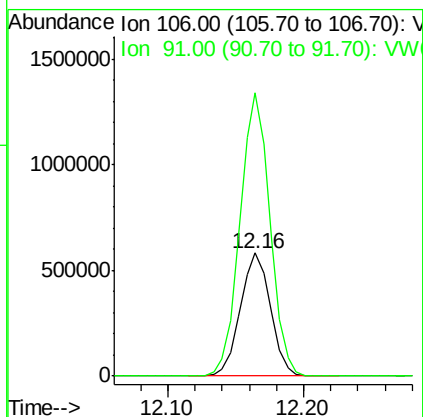
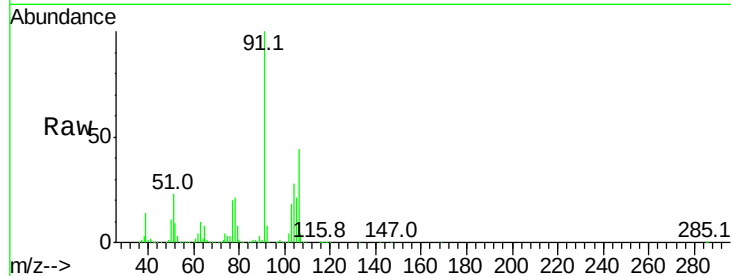




#54
o-Xylene
Concen: 48.256 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

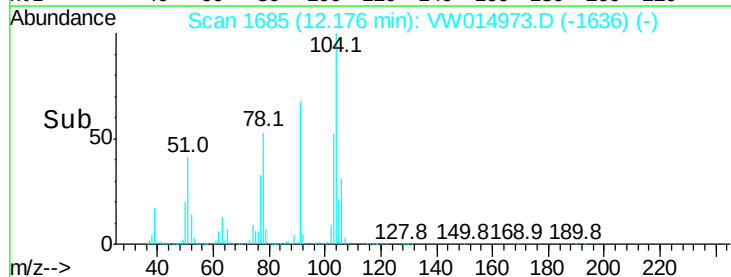
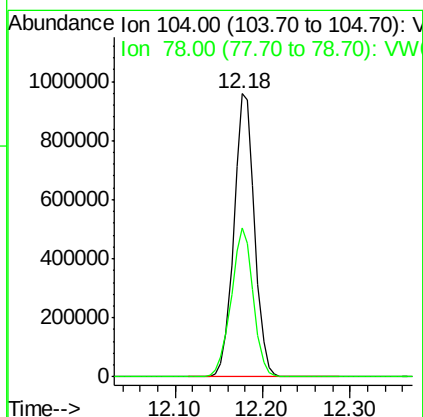
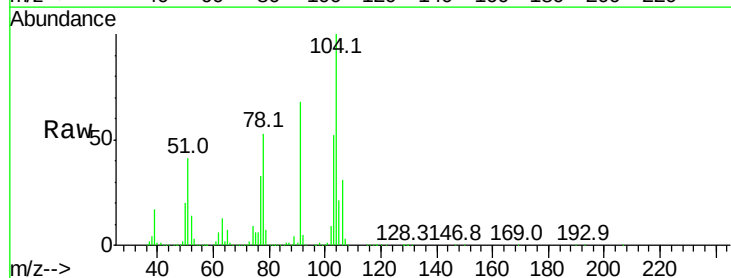
Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

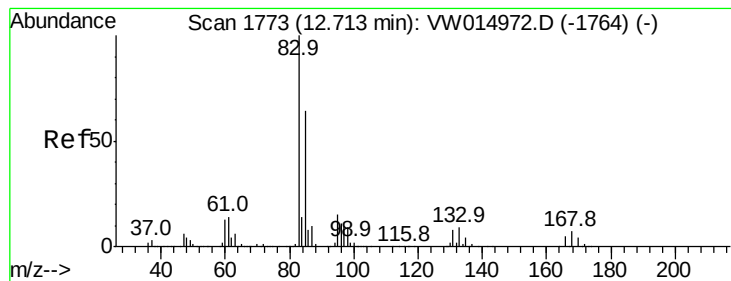
Tgt Ion:106 Resp: 903546
Ion Ratio Lower Upper
106 100
91 229.9 163.7 304.1



#55
Styrene
Concen: 48.268 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Tgt Ion:104 Resp: 1582031
Ion Ratio Lower Upper
104 100
78 52.7 36.8 68.4





#57

1,1,2,2-Tetrachloroethane

Concen: 46.782 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD050304

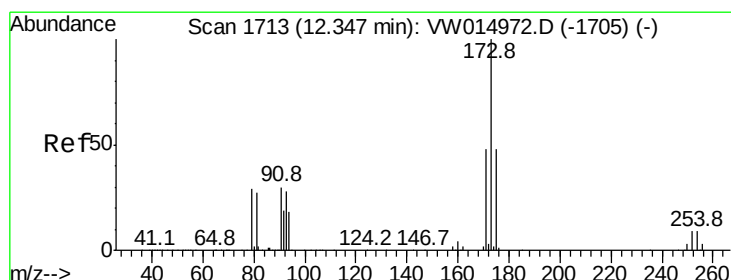
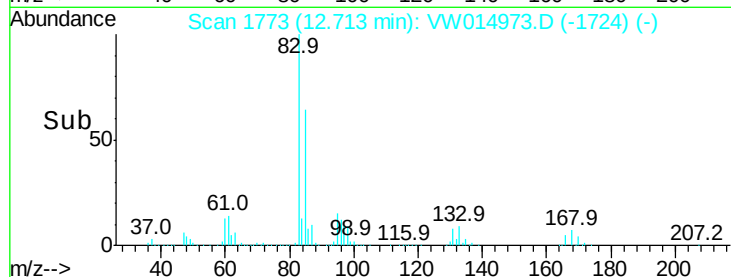
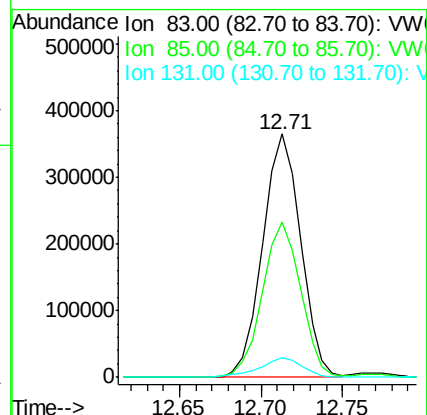
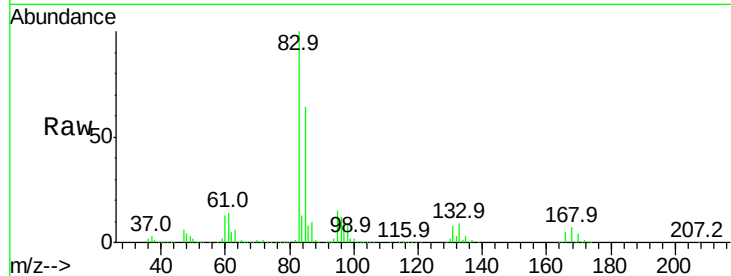
Tgt Ion: 83 Resp: 589837

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

131 8.0 6.2 9.2



#59

Bromoform

Concen: 37.548 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

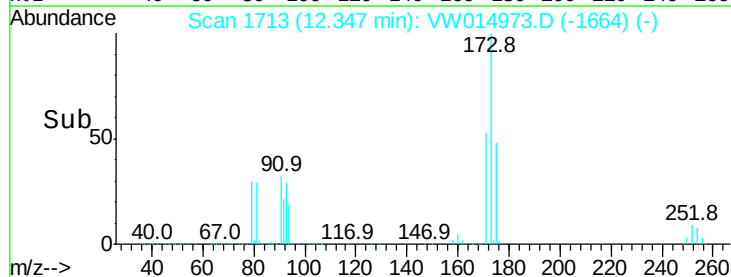
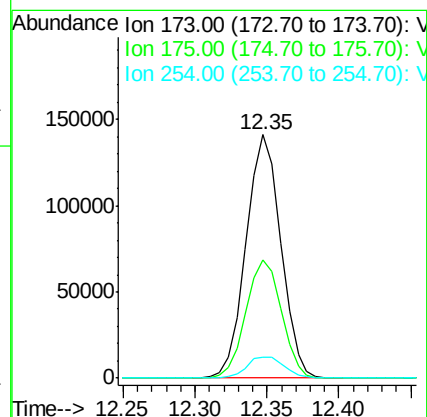
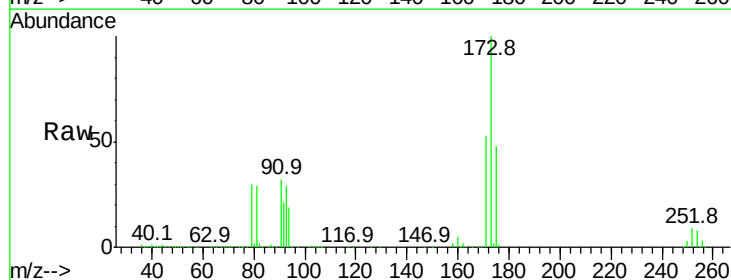
Tgt Ion: 173 Resp: 235983

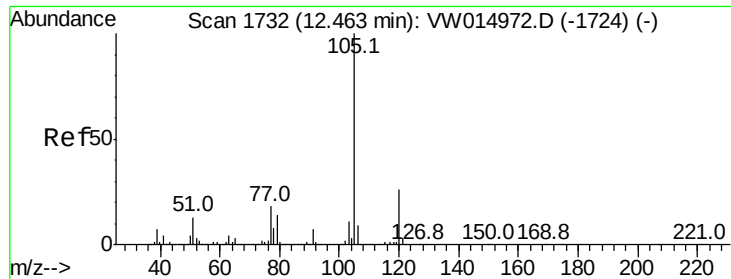
Ion Ratio Lower Upper

173 100

175 49.7 39.0 58.4

254 9.3 7.1 10.7





#60

Isopropylbenzene

Concen: 51.745 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD050304

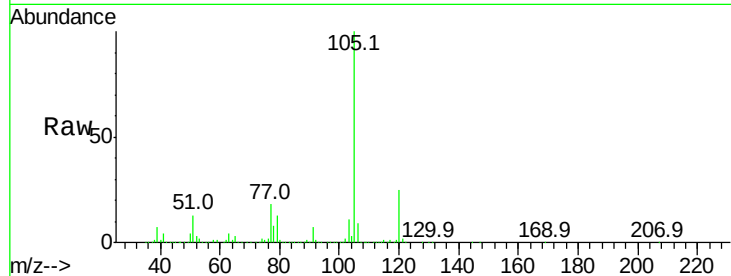
Tgt Ion:105 Resp: 2450460

Ion Ratio Lower Upper

105 100

120 25.2 20.1 30.1

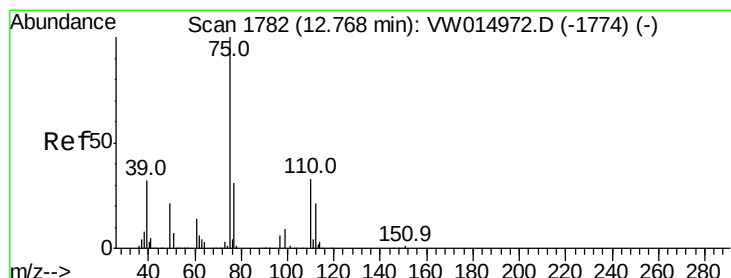
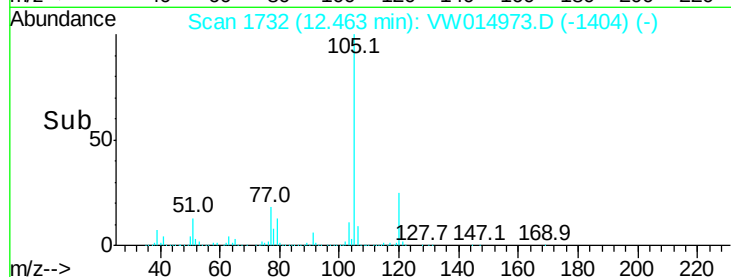
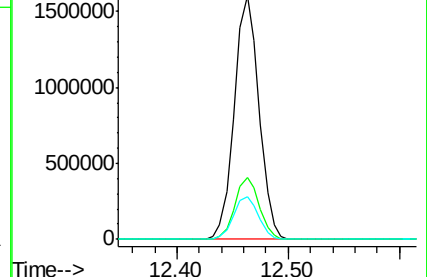
77 17.8 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 49.242 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

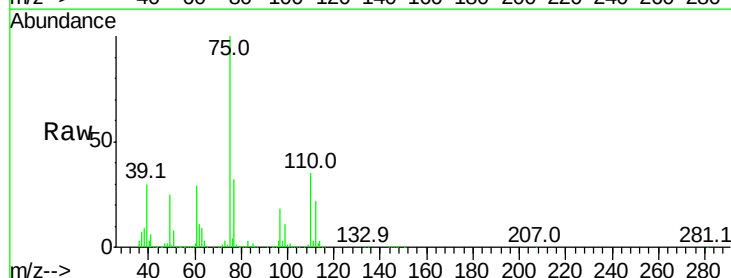
Tgt Ion: 75 Resp: 455134

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

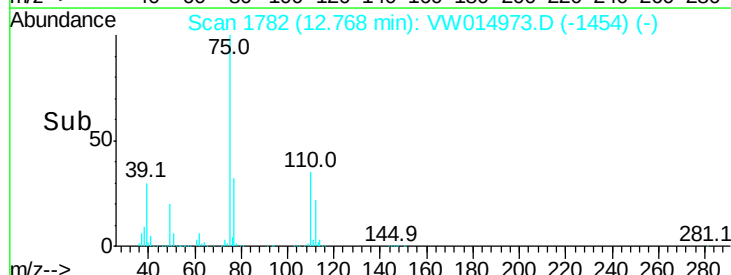
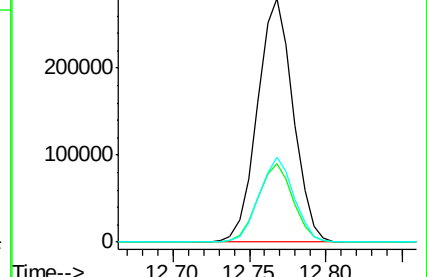
110 33.8 26.6 39.8

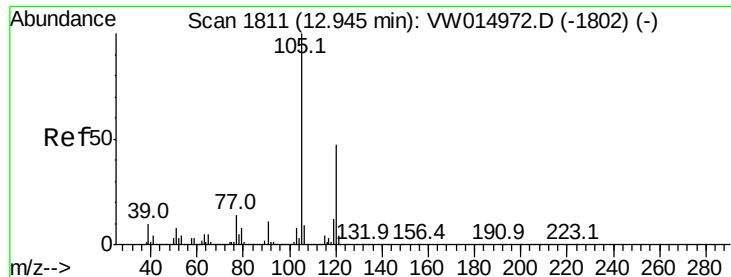


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 52.255 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

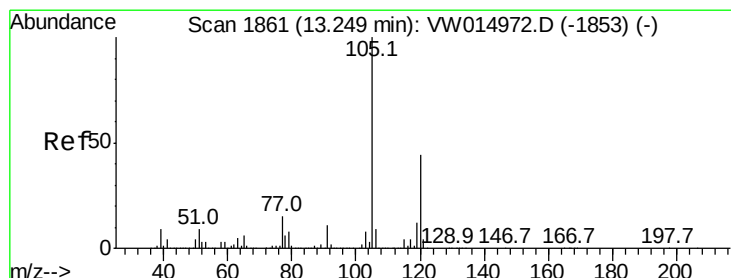
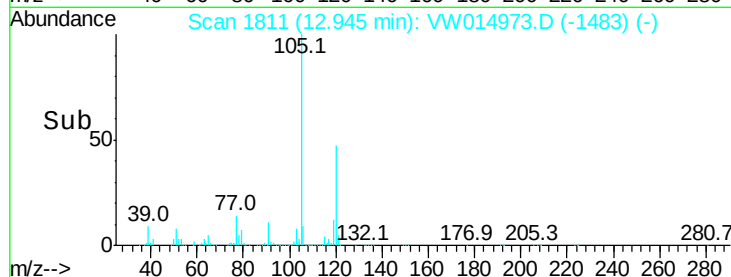
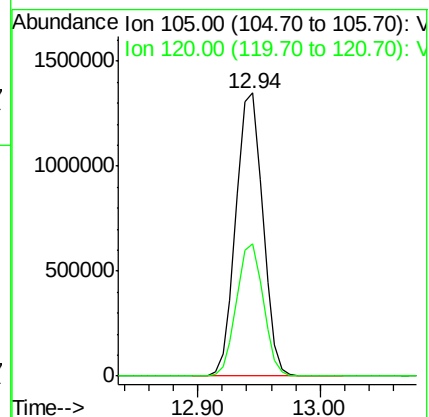
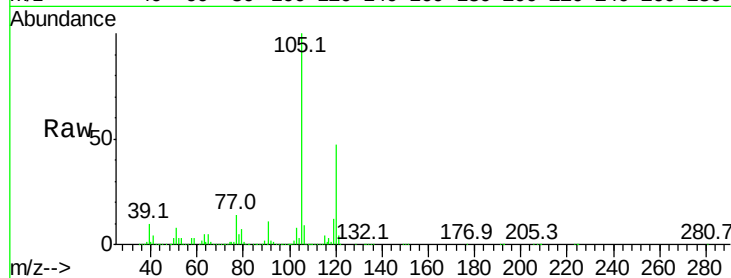
VSTD050304

Tgt Ion:105 Resp: 2048310

Ion Ratio Lower Upper

105 100

120 46.5 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 51.966 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014973.D

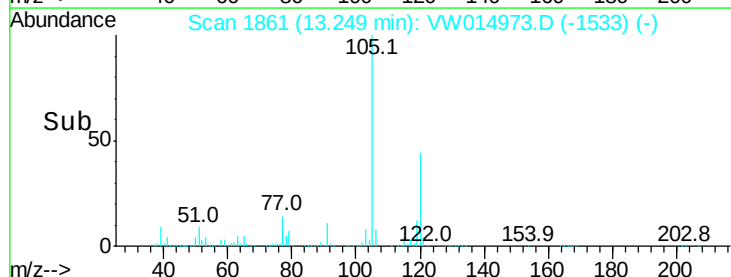
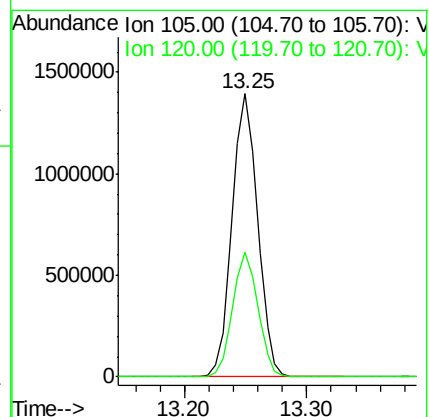
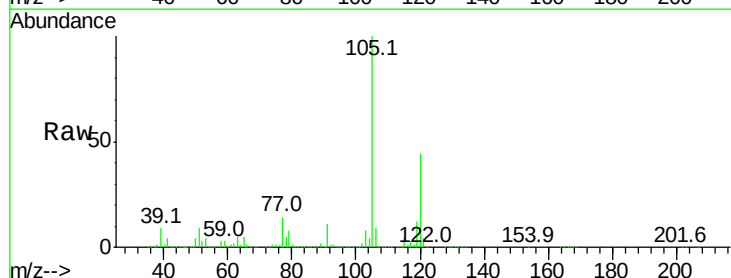
Acq: 13 Feb 2020 11:06

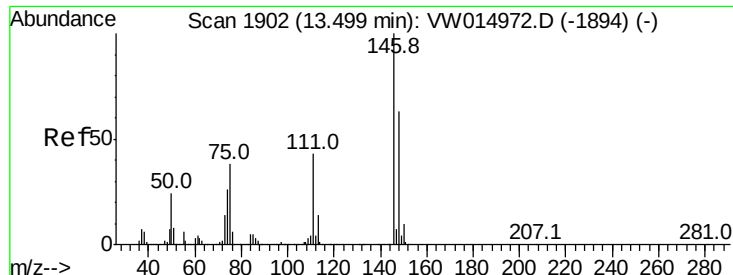
Tgt Ion:105 Resp: 2015435

Ion Ratio Lower Upper

105 100

120 43.5 35.0 52.4

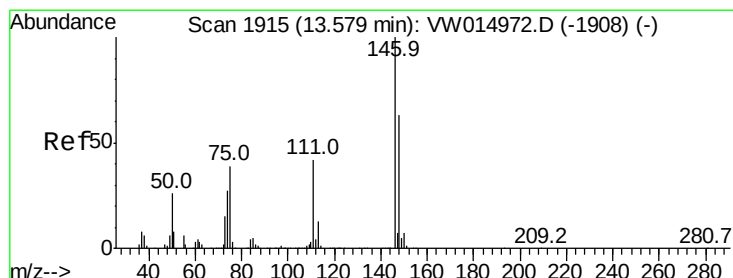
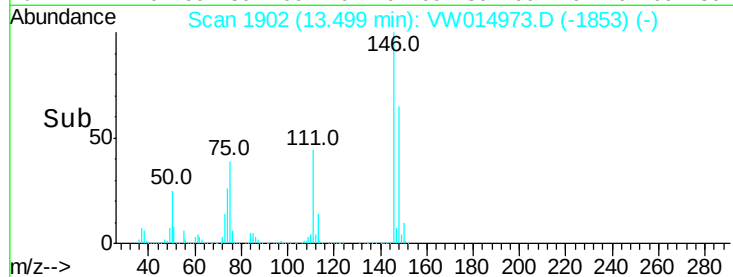
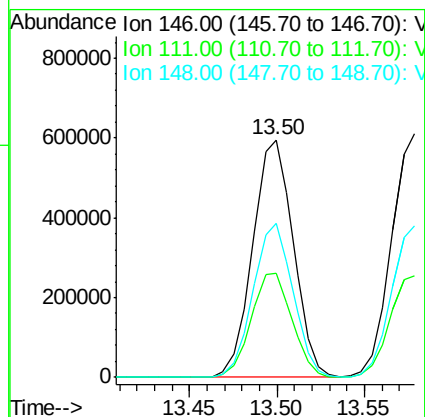
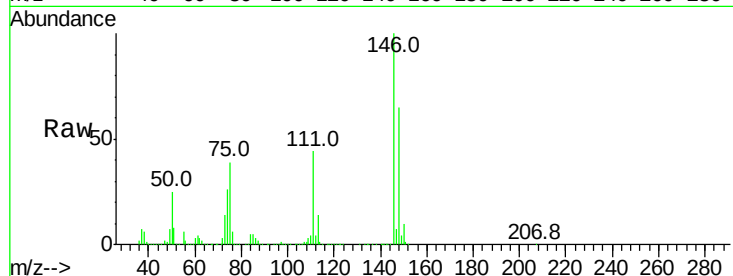




#64
 1,3-Dichlorobenzene
 Concen: 45.670 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

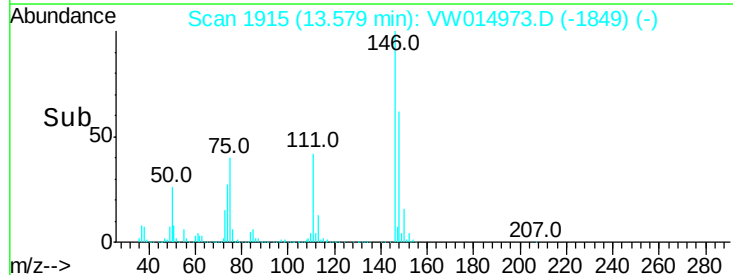
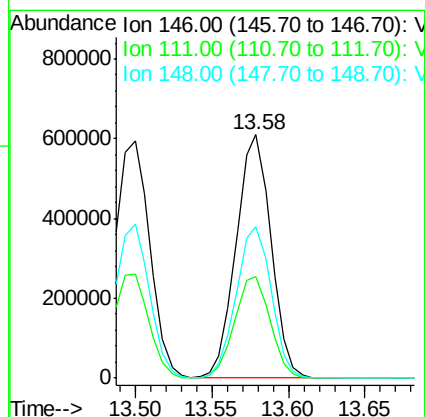
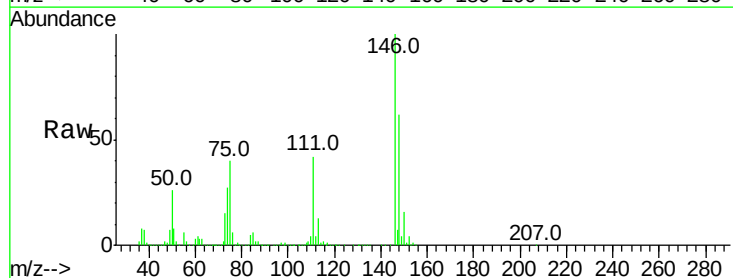
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

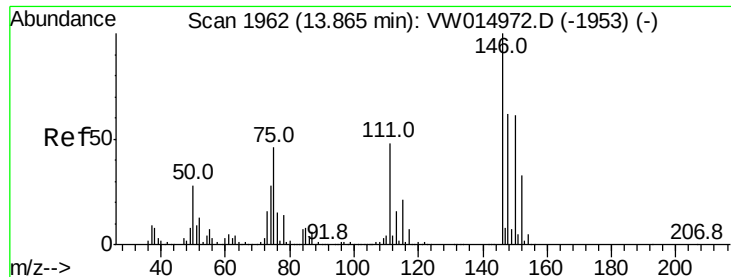
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	30.2	56.0
148	64.7	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 45.880 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.5	54.9
148	62.3	43.8	81.3





#67

1,2-Dichlorobenzene

Concen: 45.604 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD050304

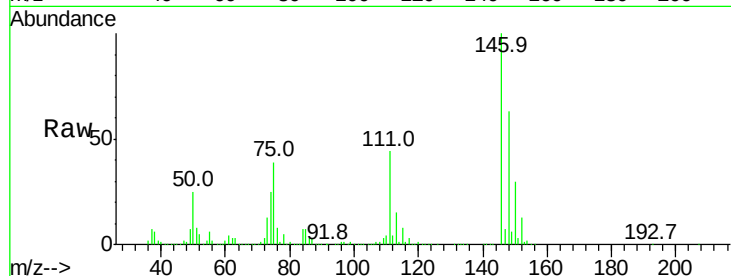
Tgt Ion:146 Resp: 886671

Ion Ratio Lower Upper

146 100

111 44.3 38.0 57.0

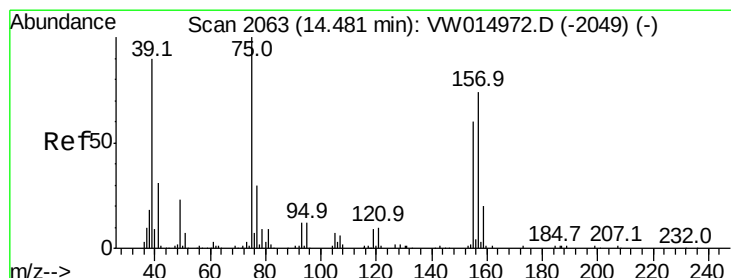
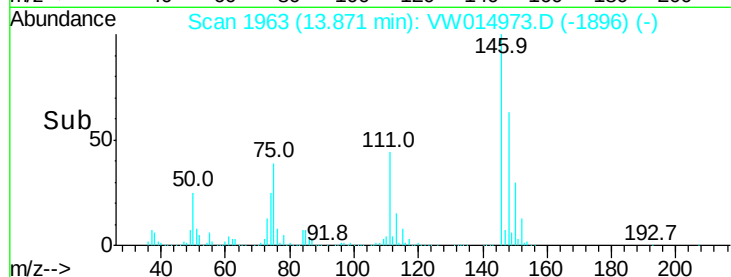
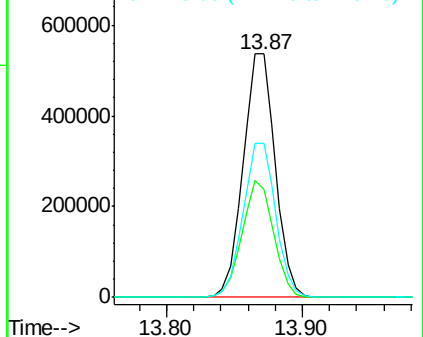
148 63.1 49.5 74.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 44.435 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014973.D

Acq: 13 Feb 2020 11:06

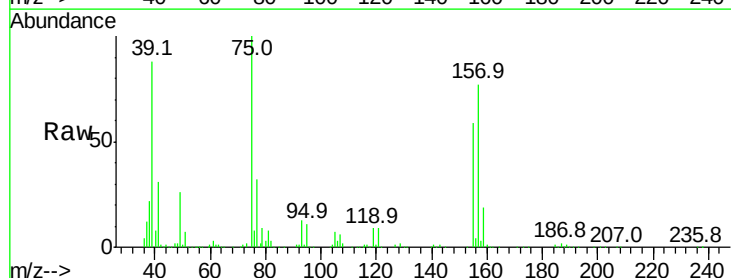
Tgt Ion: 75 Resp: 103649

Ion Ratio Lower Upper

75 100

155 58.8 48.0 72.0

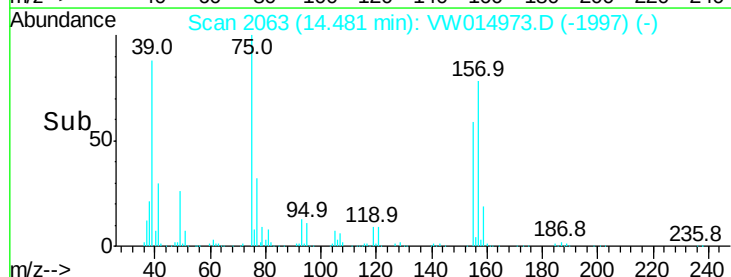
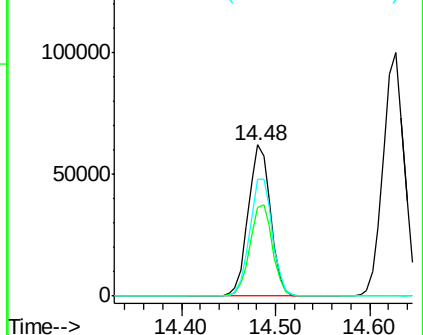
157 77.2 59.4 89.0

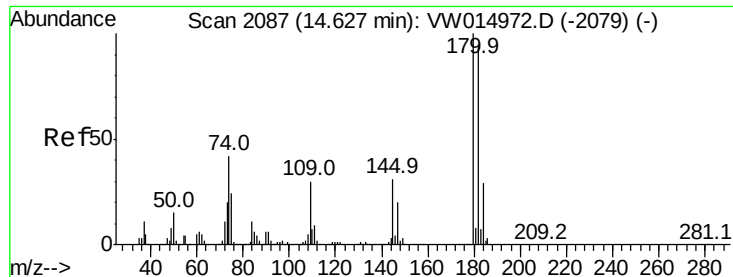


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

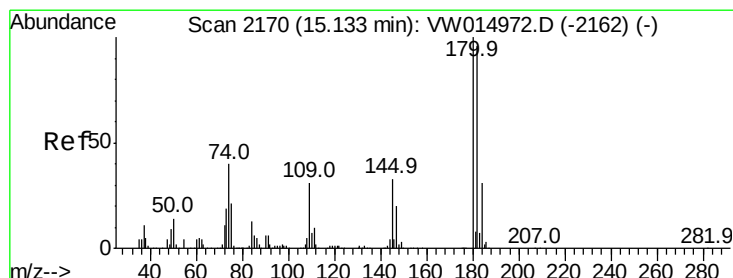
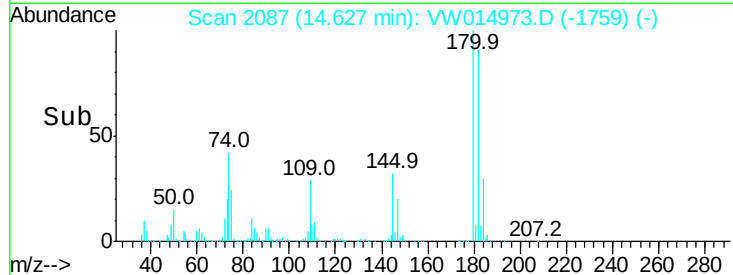
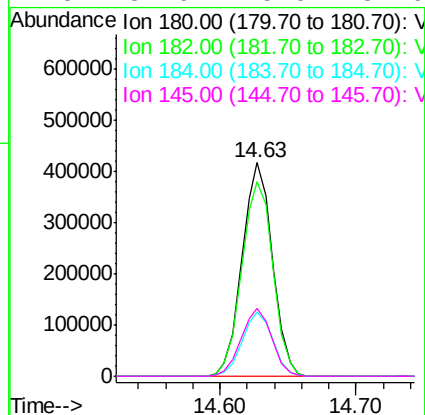
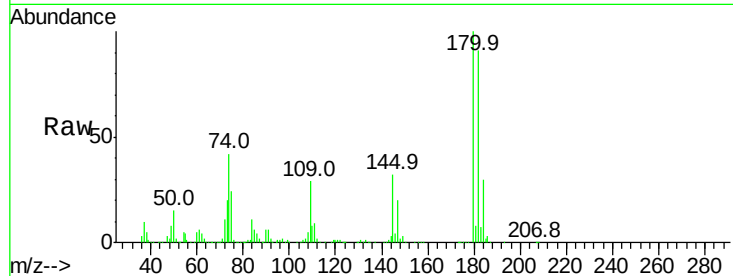




#69
 1,3,5-Trichlorobenzene
 Concen: 44.916 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

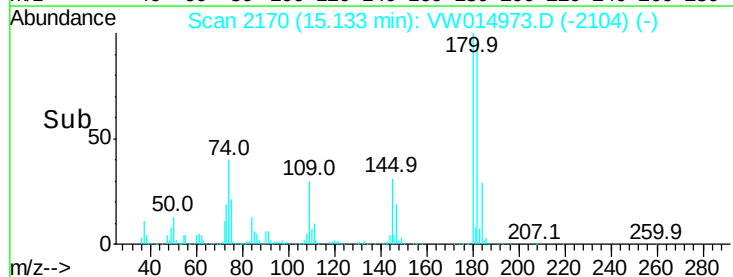
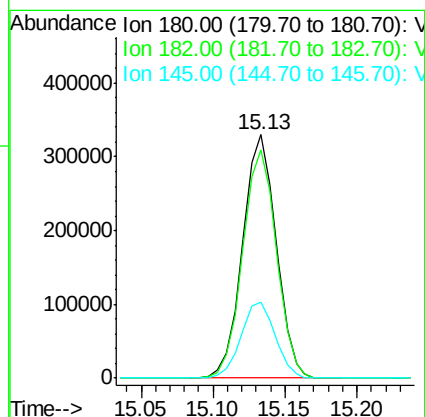
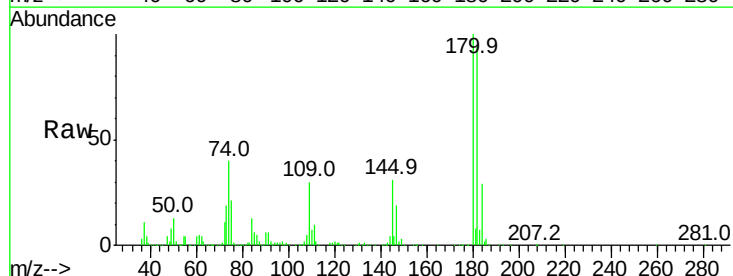
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050304

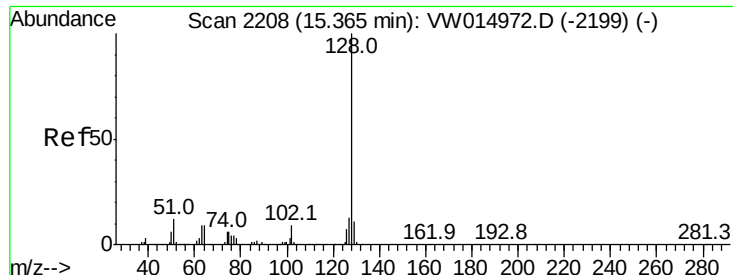
Tgt Ion:	180	Resp:	648247
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.5	114.7
184	30.1	24.2	36.2
145	31.9	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 40.451 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014973.D
 Acq: 13 Feb 2020 11:06

Tgt Ion:	180	Resp:	531937
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.2	114.4
145	32.1	26.2	39.4

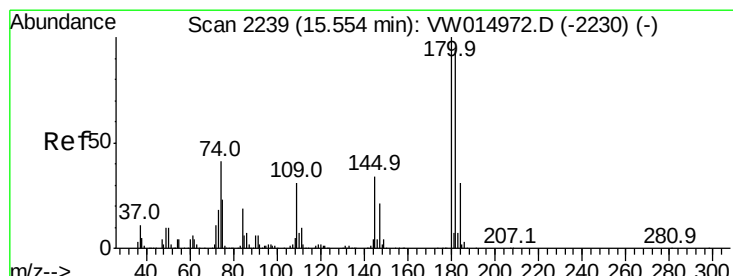
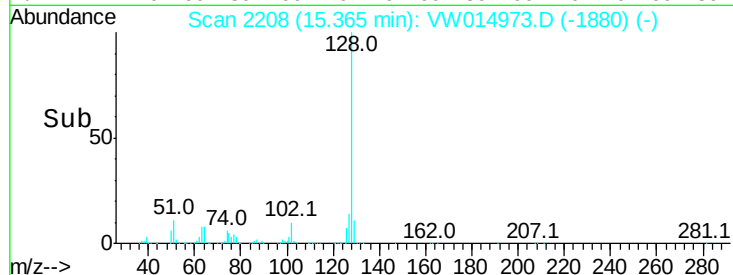
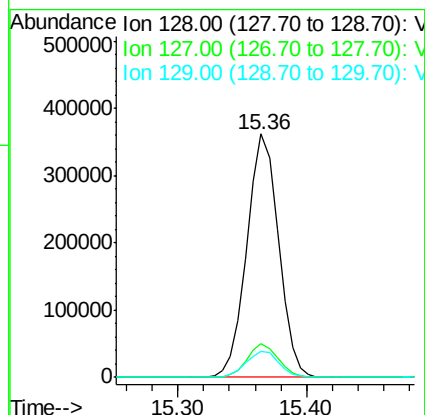
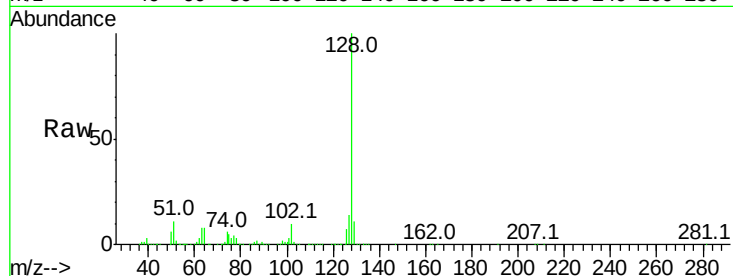




#71
Naphthalene
Concen: 16.785 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTD050304

Tgt Ion:128 Resp: 615020
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.1 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 40.043 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014973.D
Acq: 13 Feb 2020 11:06

Tgt Ion:180 Resp: 491235
Ion Ratio Lower Upper
180 100
182 94.9 75.2 112.8
145 34.7 27.0 40.6

