

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072020\
 Data File : VW015869.D
 Acq On : 20 Jul 2020 10:58
 Operator : SY/VA
 Sample : VSTD2.506
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Quant Time: Jul 20 14:04:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 14:01:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	451744	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	397681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184247	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	18852	2.96	ug/L	0.00
7) Chloroethane-d5	2.90	69	14060	2.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	35647	2.77	ug/L	0.00
20) 2-Butanone-d5	7.09	46	8309	4.96	ug/L	0.00
24) Chloroform-d	7.65	84	34836	2.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	19135	2.75	ug/L	0.00
29) Benzene-d6	8.27	84	68272	2.82	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	20206	2.78	ug/L	0.00
37) Toluene-d8	10.32	98	60797	2.77	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	8322	2.69	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5427	4.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	14725	2.64	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20228	2.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8716	2.280 ug/L	95
3) Chloromethane	2.21	50	12107	2.619 ug/L	100
5) Vinyl chloride	2.37	62	16836	2.361 ug/L	96
6) Bromomethane	2.78	94	10432	2.452 ug/L	97
8) Chloroethane	2.93	64	9526	2.280 ug/L	99
9) Trichlorofluoromethane	3.26	101	10855	2.265 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13332	2.276 ug/L #	85
12) 1,1-Dichloroethene	4.04	96	13515	2.327 ug/L	97
13) Acetone	4.13	43	7791	5.541 ug/L	85
14) Carbon disulfide	4.37	76	43997	2.399 ug/L	97
15) Methyl Acetate	4.67	43	3261	1.230 ug/L #	61
16) Methylene chloride	4.92	84	24565	3.319 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	17863	2.175 ug/L #	90
18) trans-1,2-Dichloroethene	5.42	96	13991	2.282 ug/L	97
19) 1,1-Dichloroethane	6.21	63	25766	2.280 ug/L	97
21) 2-Butanone	7.18	43	7451	4.285 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	14154	2.206 ug/L	94
23) Bromochloromethane	7.51	128	5922	2.105 ug/L	96
25) Chloroform	7.68	83	25077	2.239 ug/L	99
27) 1,2-Dichloroethane	8.40	62	17177	2.254 ug/L	96
30) Cyclohexane	7.96	56	22082	2.202 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	21893	2.358 ug/L	99
32) Carbon tetrachloride	8.07	117	19313	2.294 ug/L	99
34) Benzene	8.32	78	56172	2.326 ug/L	100
35) Trichloroethene	9.09	95	15122	2.367 ug/L	98
36) Methylcyclohexane	9.34	83	24096	2.198 ug/L	98
40) 1,2-Dichloropropane	9.37	63	13782	2.303 ug/L #	97
41) Bromodichloromethane	9.65	83	17289	2.237 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	18808	2.064 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	14128	4.045 ug/L	99

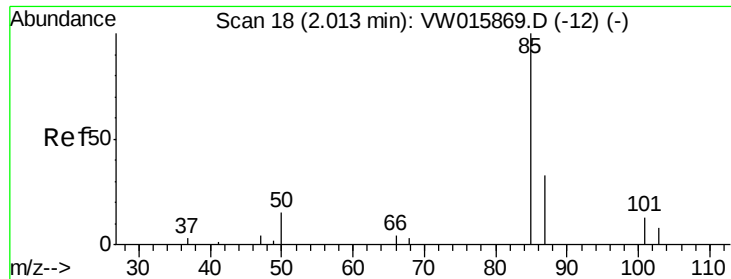
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072020\
 Data File : VW015869.D
 Acq On : 20 Jul 2020 10:58
 Operator : SY/VA
 Sample : VSTD2.506
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Quant Time: Jul 20 14:04:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 14:01:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	56517	2.231	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	16116	2.040	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	9620	2.236	ug/L	98
47) Tetrachloroethene	10.87	164	11694	2.358	ug/L	97
49) 2-Hexanone	10.97	43	10221	4.124	ug/L	96
50) Dibromochloromethane	11.13	129	10705	2.149	ug/L	92
51) 1,2-Dibromoethane	11.24	107	9031	2.194	ug/L	93
52) Chlorobenzene	11.66	112	37791	2.328	ug/L	99
53) Ethylbenzene	11.73	91	63091	2.215	ug/L	98
54) m,p-Xylene	11.84	106	23071	2.165	ug/L	98
55) o-xylene	12.17	106	21388	2.131	ug/L	90
56) Styrene	12.18	104	34642	2.030	ug/L	99
57) Isopropylbenzene	12.47	105	58673	2.148	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	10988	2.175	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	8218	2.171	ug/L	99
62) Bromoform	12.35	173	5602	2.067	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	26810	2.274	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	27677	2.313	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	23839	2.226	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1697	2.105	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	18511	2.233	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	13680	2.077	ug/L	97
69) Naphthalene	15.37	128	23373	1.884	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	12891	2.197	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.280 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

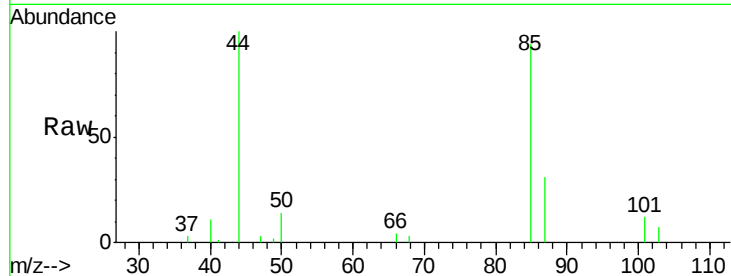
VSTD2.506

Tgt Ion: 85 Resp: 8716

Ion Ratio Lower Upper

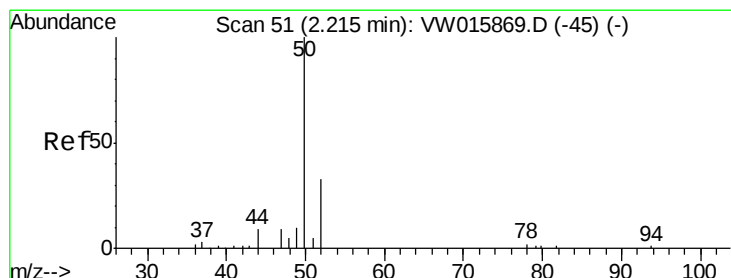
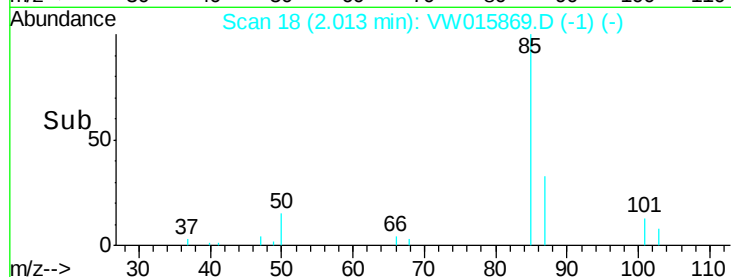
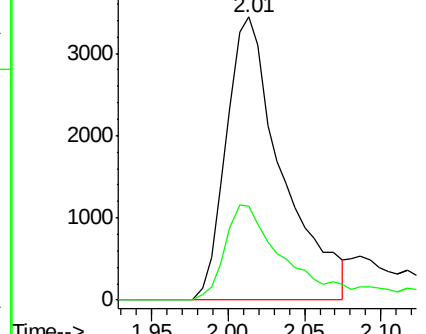
85 100

87 32.5 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.619 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015869.D

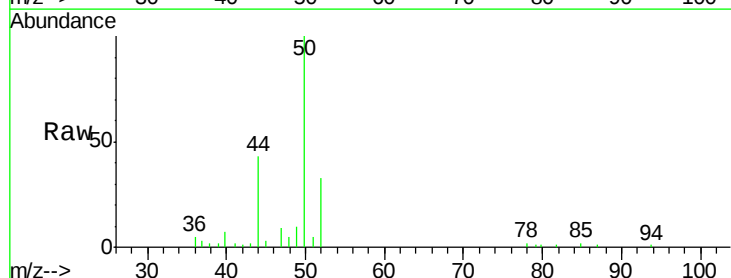
Acq: 20 Jul 2020 10:58

Tgt Ion: 50 Resp: 12107

Ion Ratio Lower Upper

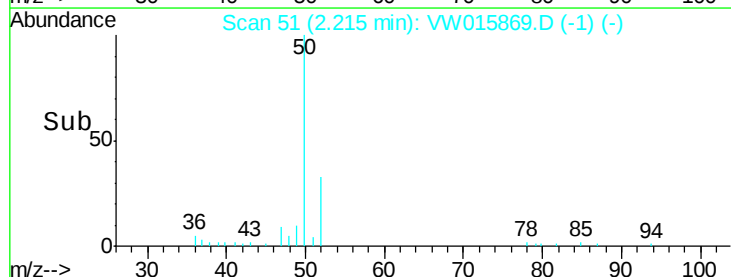
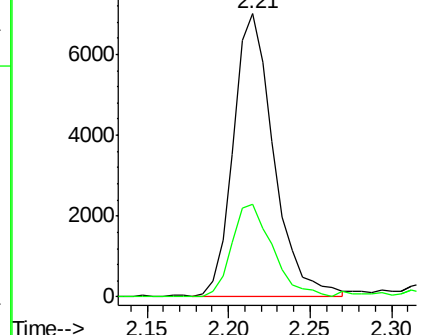
50 100

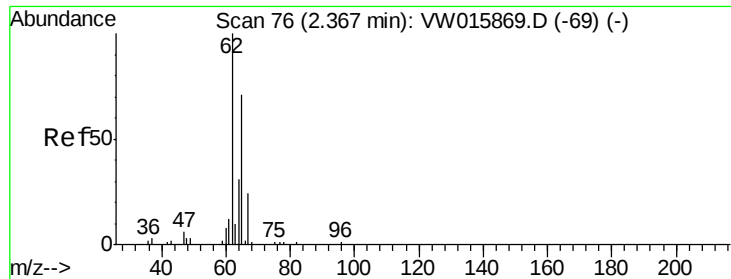
52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.361 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

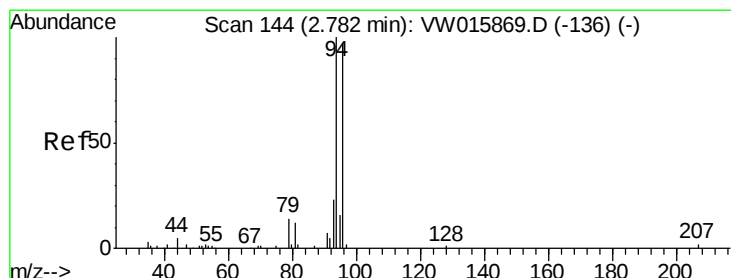
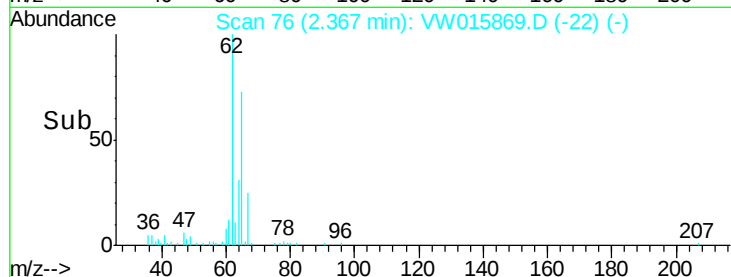
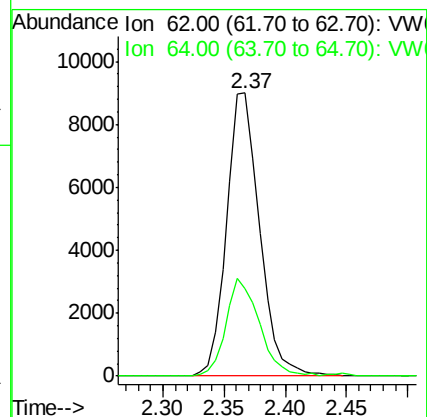
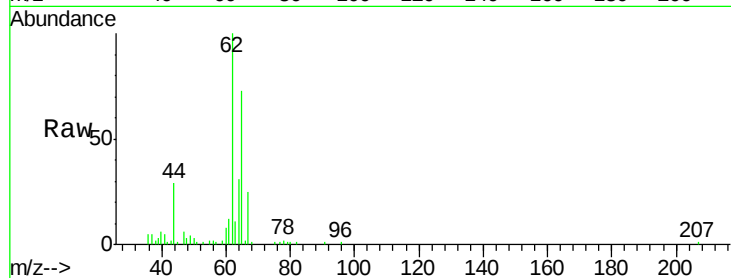
VSTD2.506

Tgt Ion: 62 Resp: 16836

Ion Ratio Lower Upper

62 100

64 30.8 23.2 43.0



#6

Bromomethane

Concen: 2.452 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015869.D

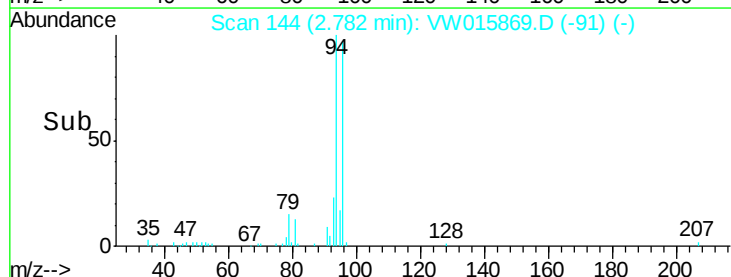
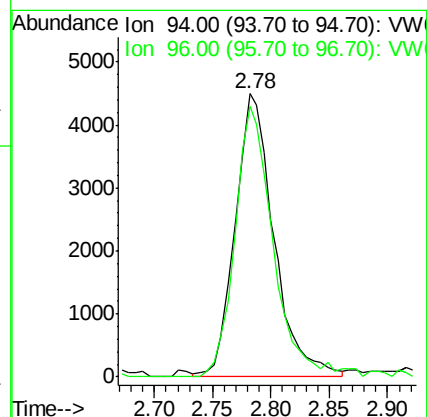
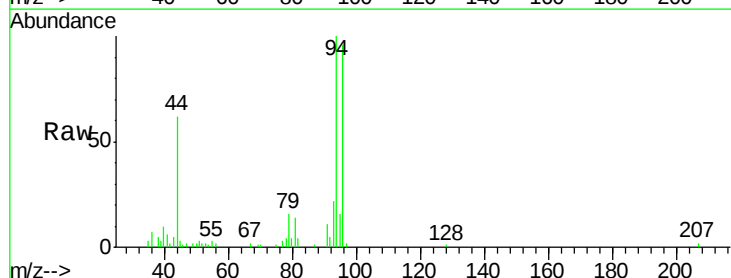
Acq: 20 Jul 2020 10:58

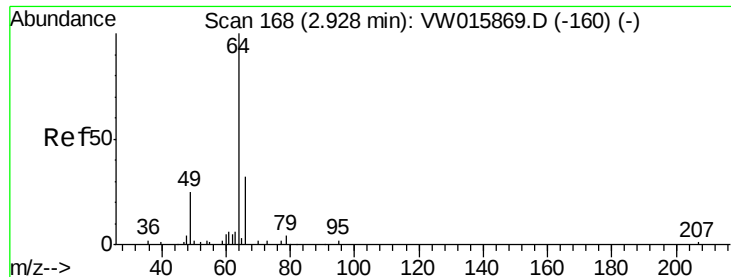
Tgt Ion: 94 Resp: 10432

Ion Ratio Lower Upper

94 100

96 91.6 9.5 180.1

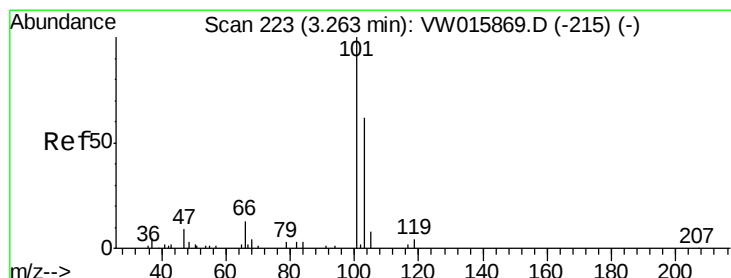
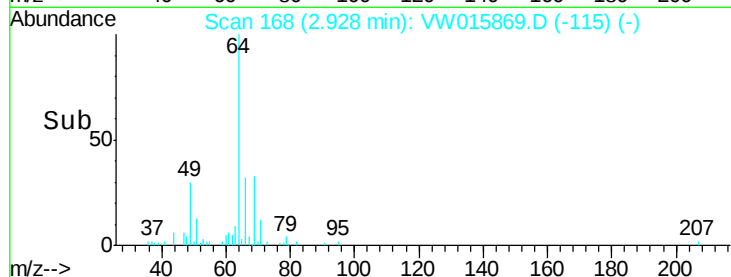
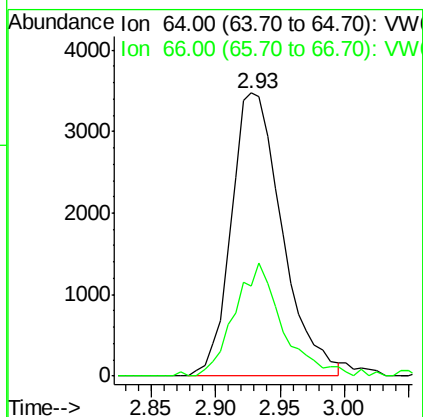
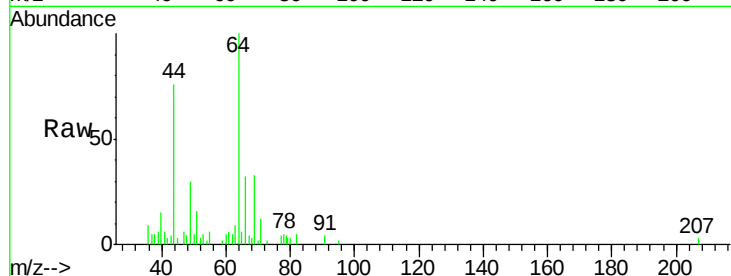




#8
Chloroethane
Concen: 2.280 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

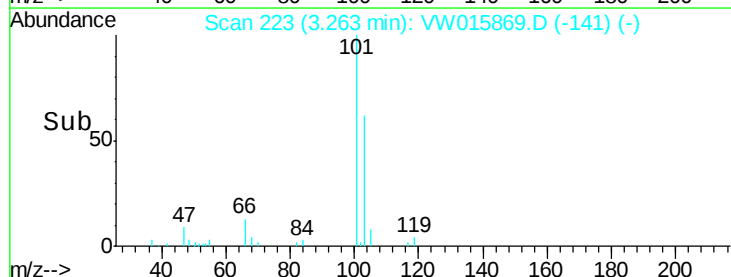
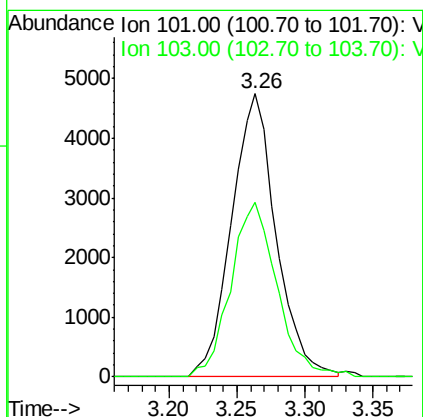
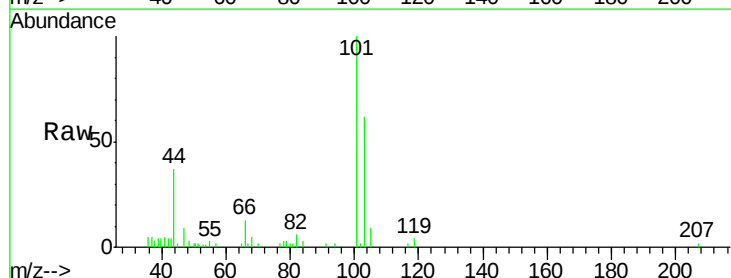
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

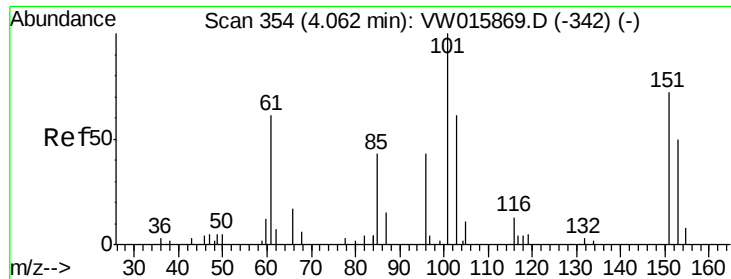
Tgt Ion: 64 Resp: 9526
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 2.265 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

Tgt Ion: 101 Resp: 10855
Ion Ratio Lower Upper
101 100
103 64.0 45.8 85.2





#11

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

Concen: 2.276 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

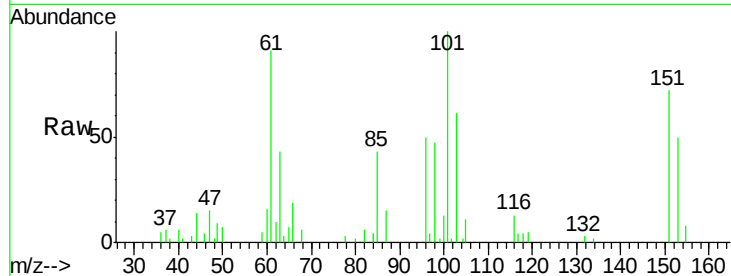
Tgt Ion: 101 Resp: 13332

Ion Ratio Lower Upper

101 100

85 20.1 35.5 53.3#

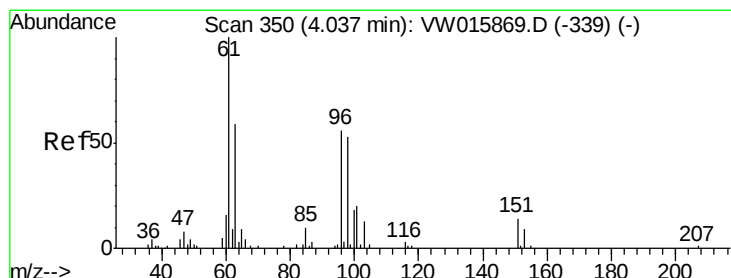
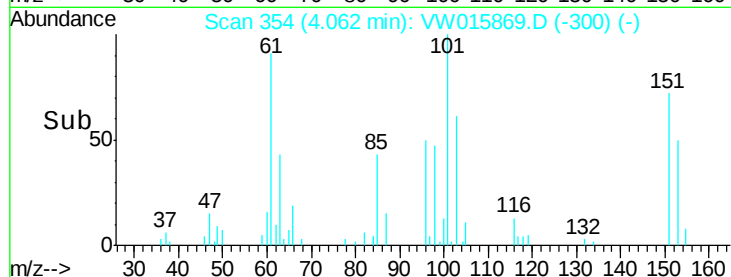
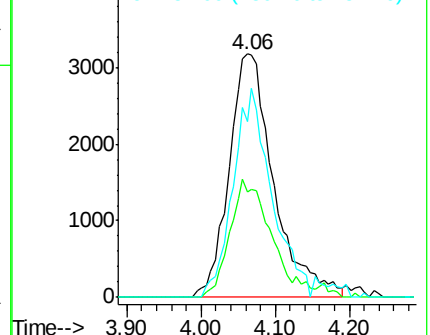
151 73.9 58.4 87.6



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: 2.327 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

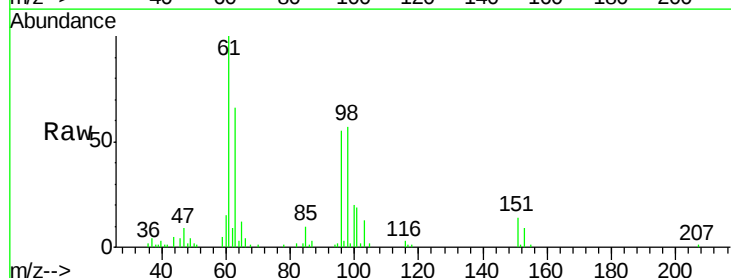
Tgt Ion: 96 Resp: 13515

Ion Ratio Lower Upper

96 100

61 182.3 125.0 232.2

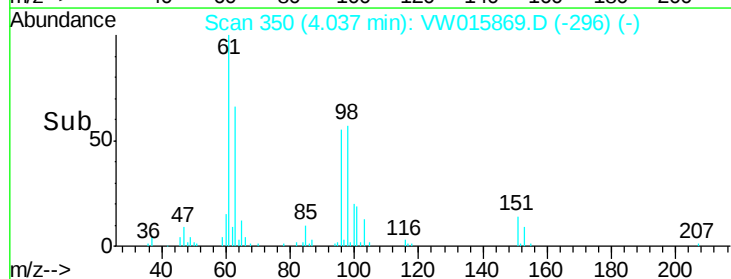
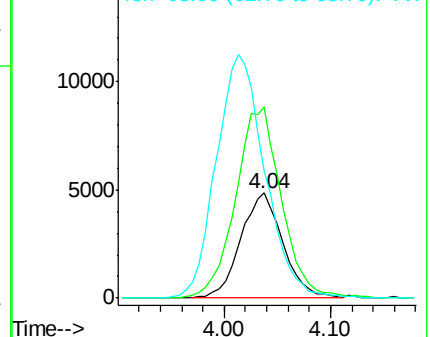
63 120.5 82.3 152.8

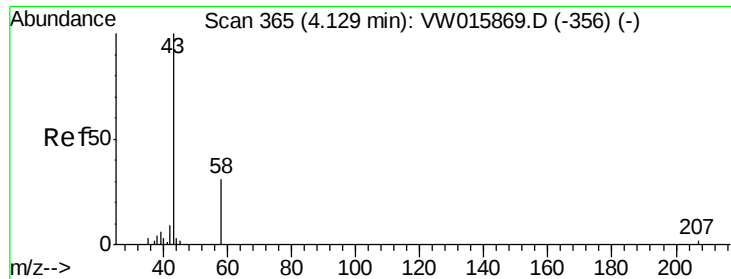


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.541 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

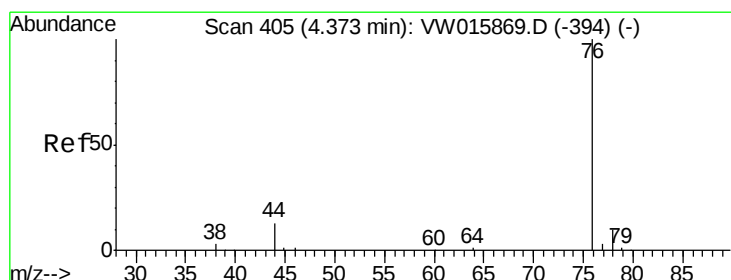
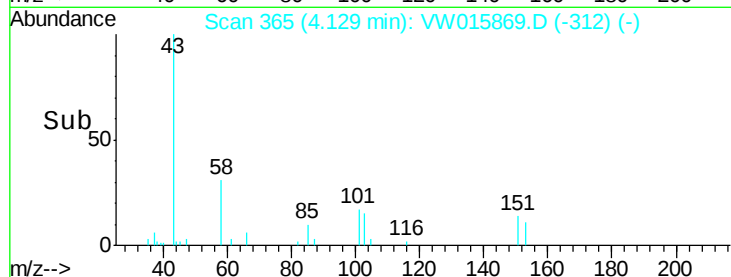
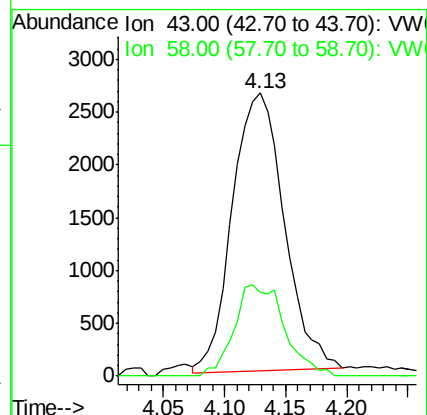
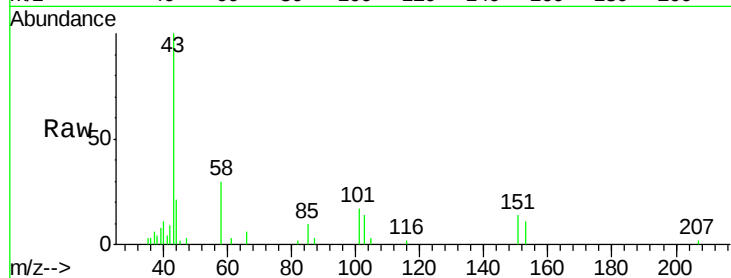
VSTD2.506

Tgt Ion: 43 Resp: 7791

Ion Ratio Lower Upper

43 100

58 21.2 0.0 58.2



#14

Carbon disulfide

Concen: 2.399 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015869.D

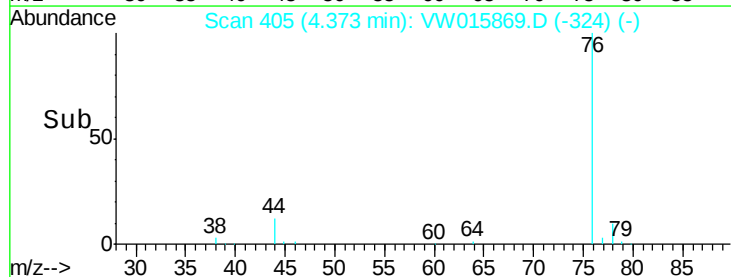
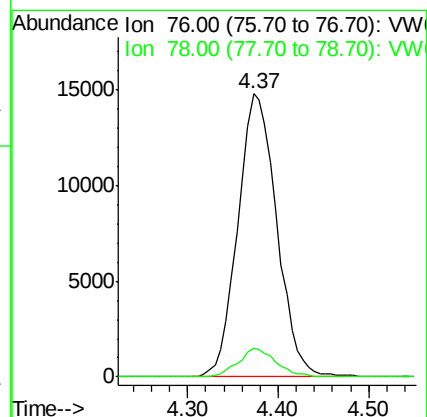
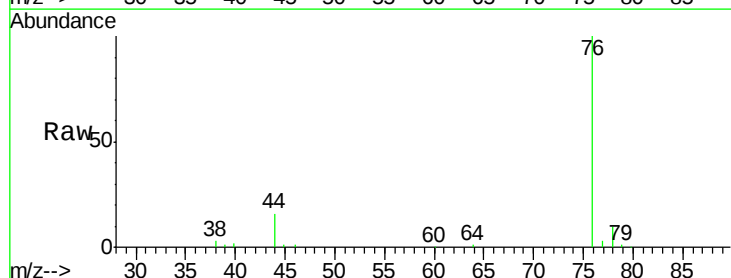
Acq: 20 Jul 2020 10:58

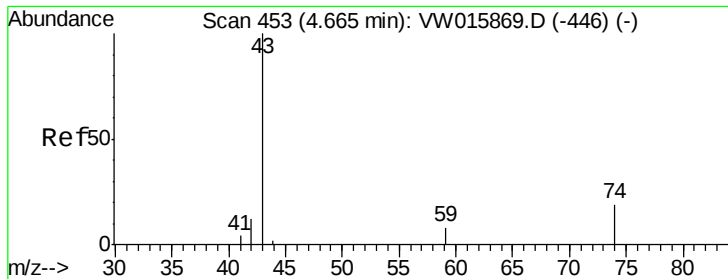
Tgt Ion: 76 Resp: 43997

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8





#15

Methyl Acetate

Concen: 1.230 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

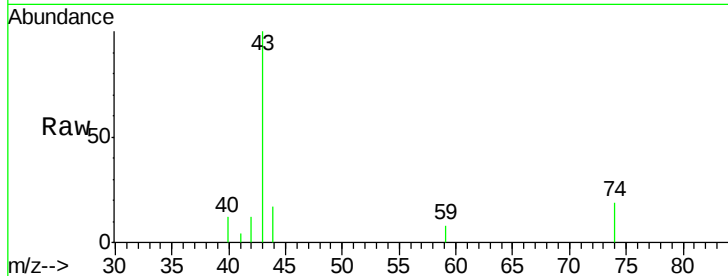
VSTD2.506

Tgt Ion: 43 Resp: 3261

Ion Ratio Lower Upper

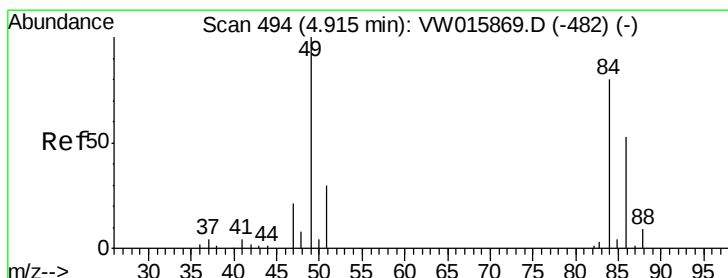
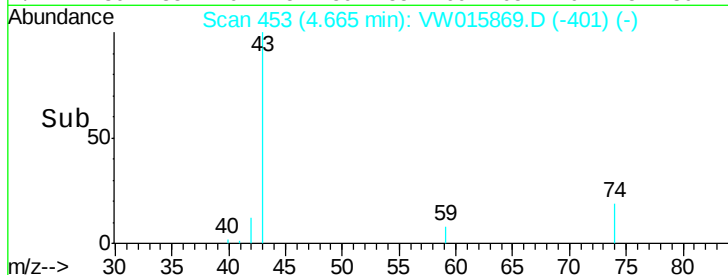
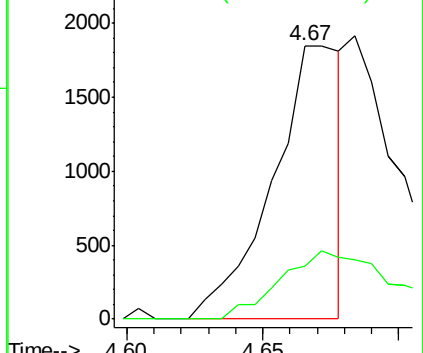
43 100

74 41.3 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 3.319 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

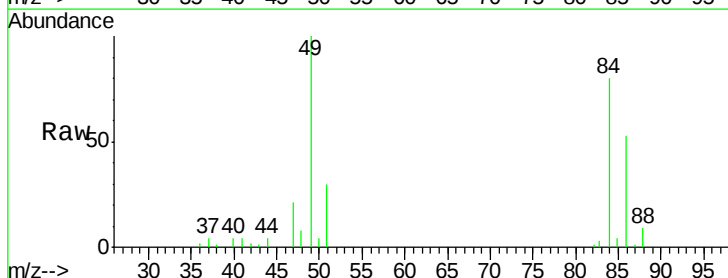
Tgt Ion: 84 Resp: 24565

Ion Ratio Lower Upper

84 100

49 124.5 91.1 169.1

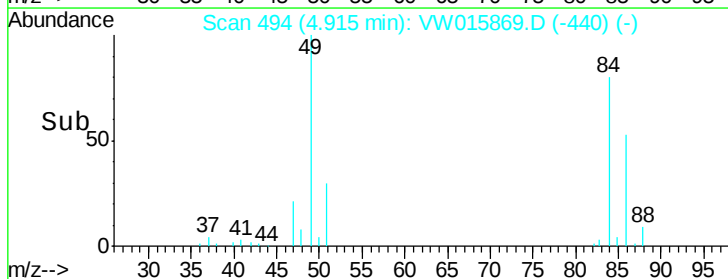
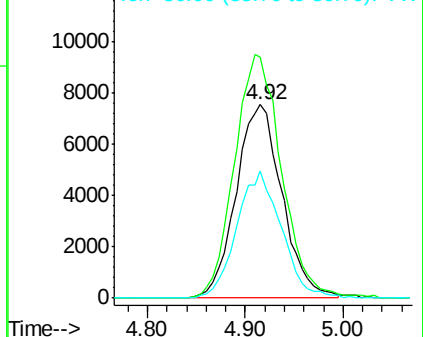
86 65.5 46.0 85.4

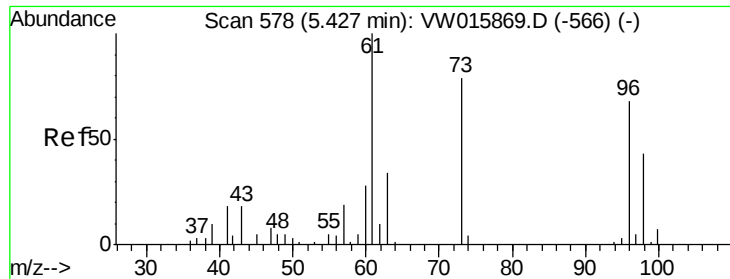


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

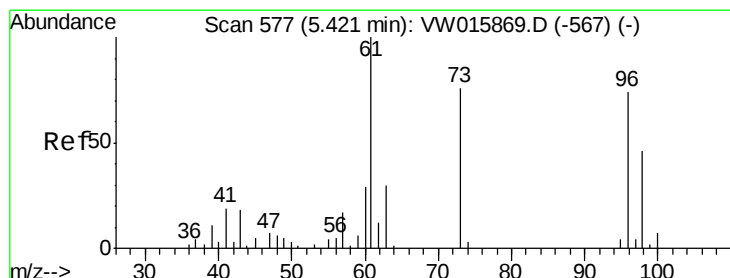
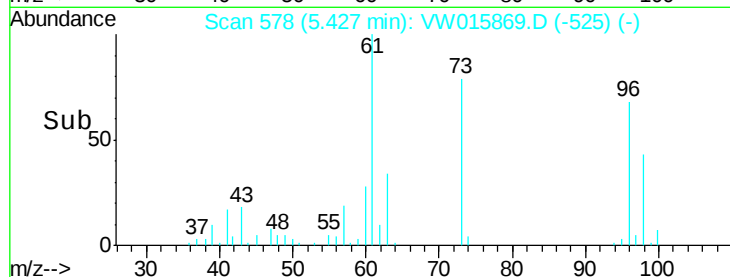
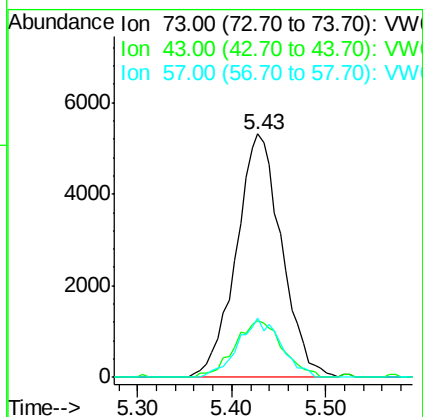
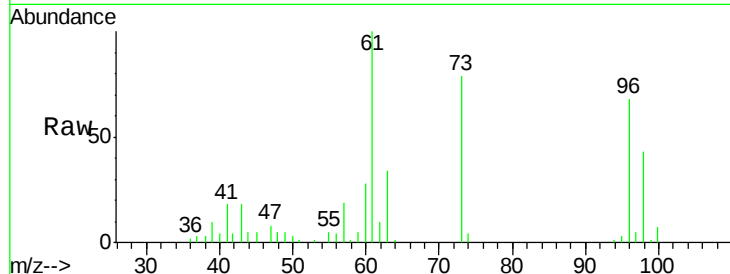




#17
Methyl tert-butyl Ether
Concen: 2.175 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

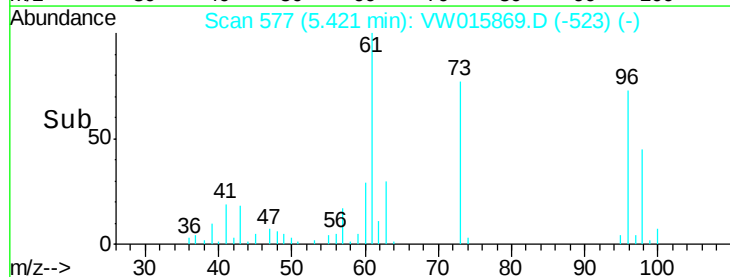
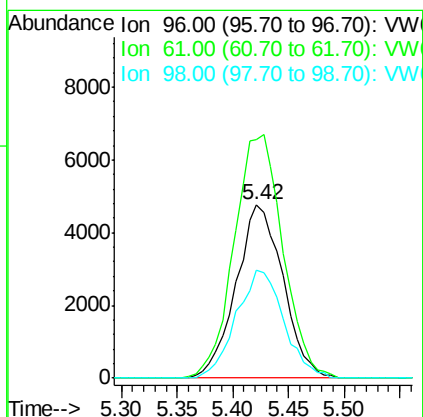
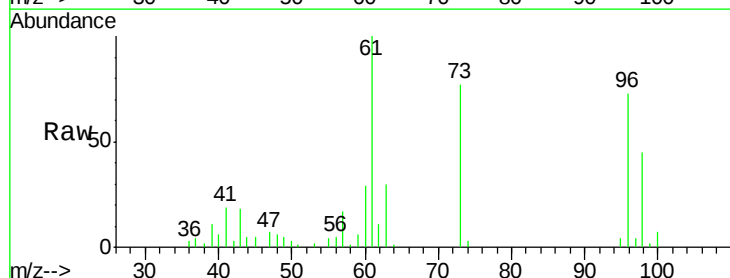
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

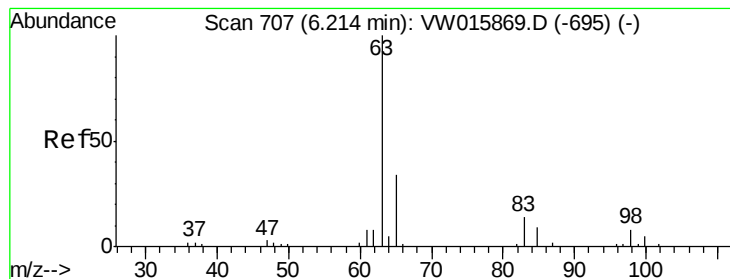
Tgt Ion: 73 Resp: 17863
Ion Ratio Lower Upper
73 100
43 24.4 18.4 27.6
57 14.1 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 2.282 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

Tgt Ion: 96 Resp: 13991
Ion Ratio Lower Upper
96 100
61 137.0 99.3 184.5
98 62.0 42.9 79.7





#19

1,1-Dichloroethane

Concen: 2.280 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

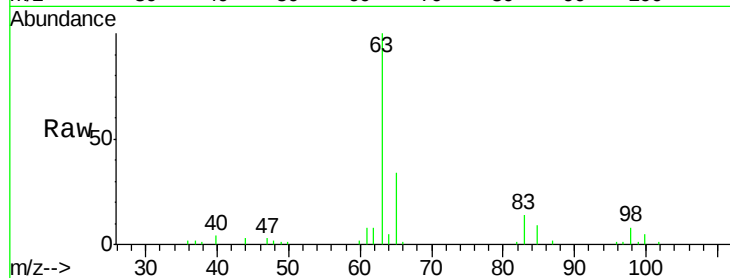
Tgt Ion: 63 Resp: 25766

Ion Ratio Lower Upper

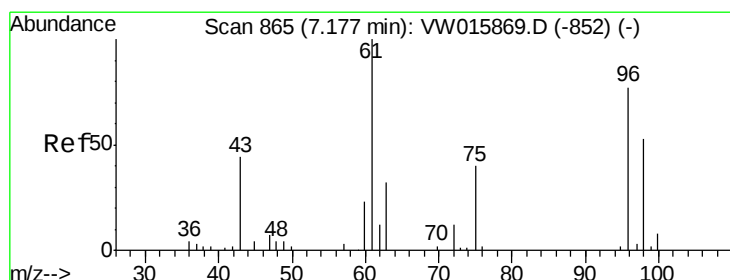
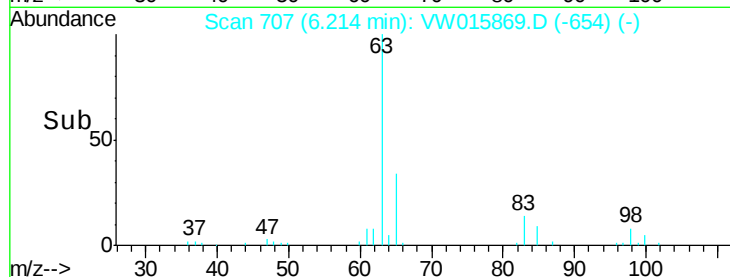
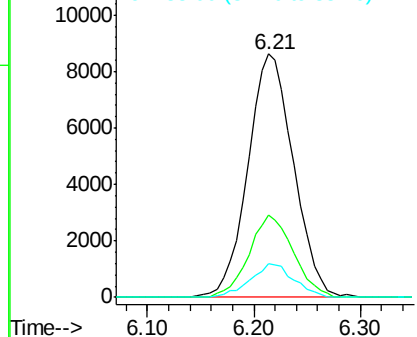
63 100

65 33.7 22.2 41.2

83 13.8 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 4.285 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015869.D

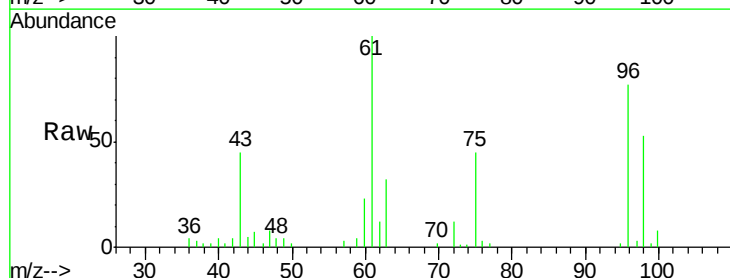
Acq: 20 Jul 2020 10:58

Tgt Ion: 43 Resp: 7451

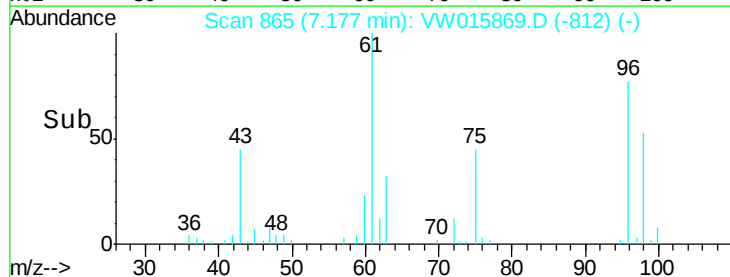
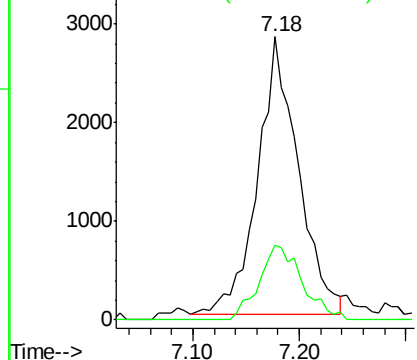
Ion Ratio Lower Upper

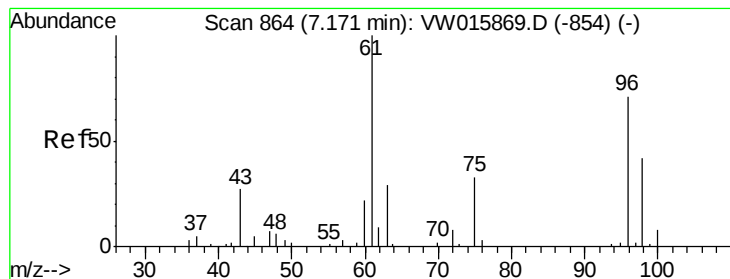
43 100

72 26.6 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 2.206 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

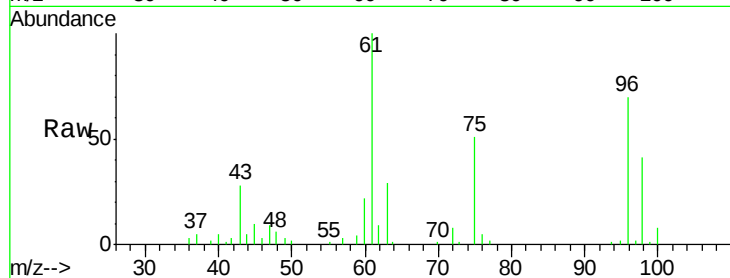
Tgt Ion: 96 Resp: 14154

Ion Ratio Lower Upper

96 100

61 143.0 94.6 175.8

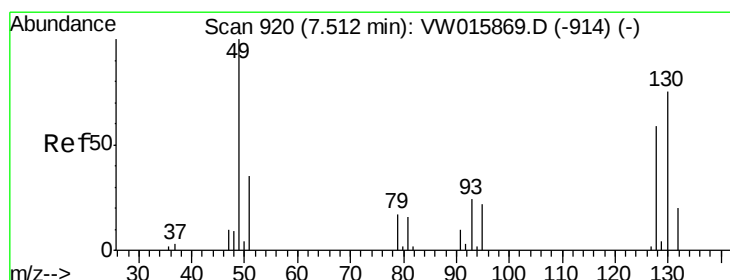
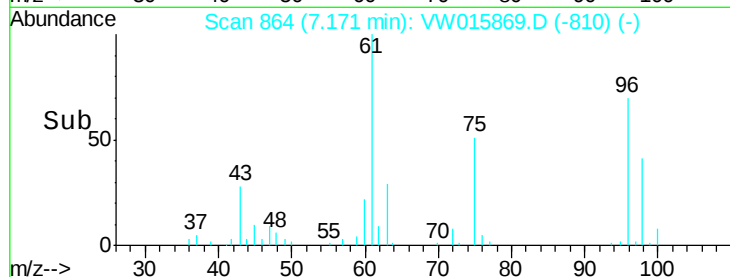
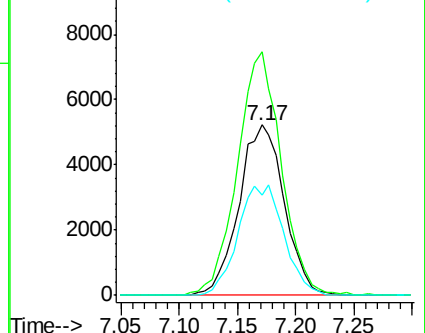
98 59.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 2.105 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Tgt Ion: 128 Resp: 5922

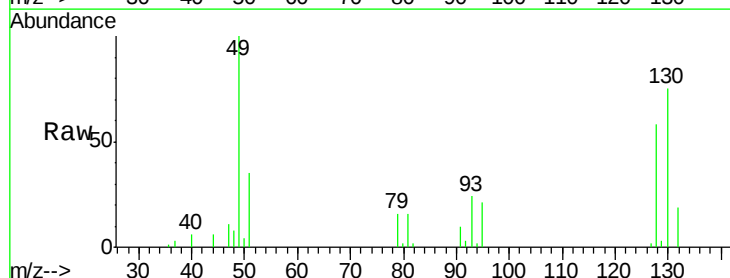
Ion Ratio Lower Upper

128 100

49 171.0 122.4 227.2

130 128.3 93.9 174.5

51 60.4 43.2 64.8

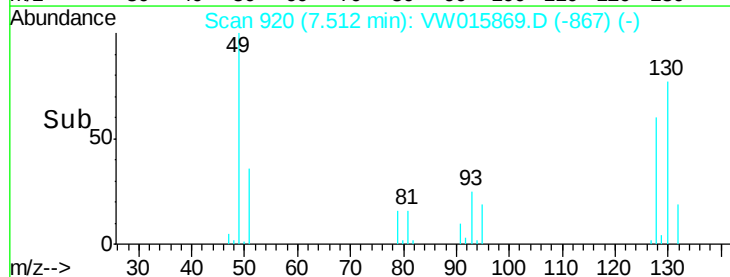
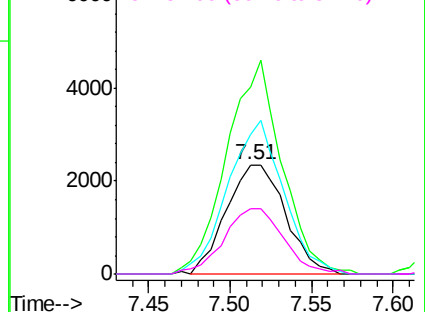


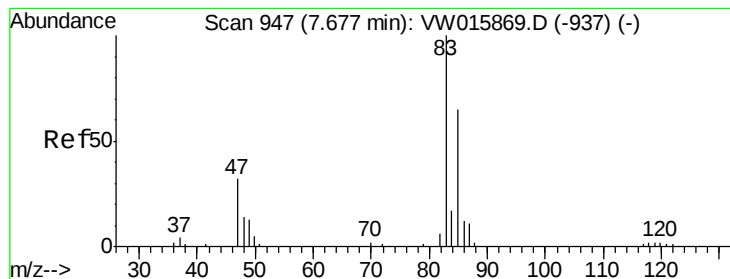
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 2.239 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

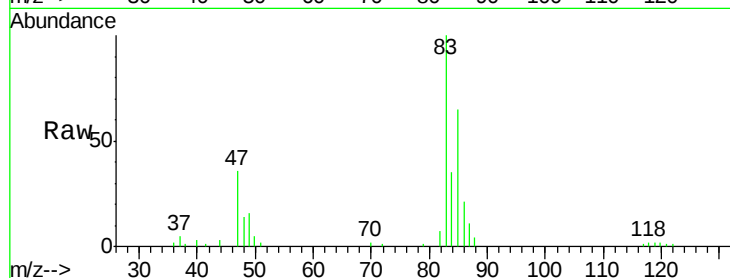
VSTD2.506

Tgt Ion: 83 Resp: 25077

Ion Ratio Lower Upper

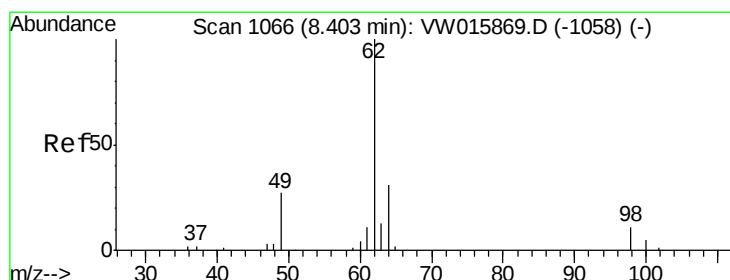
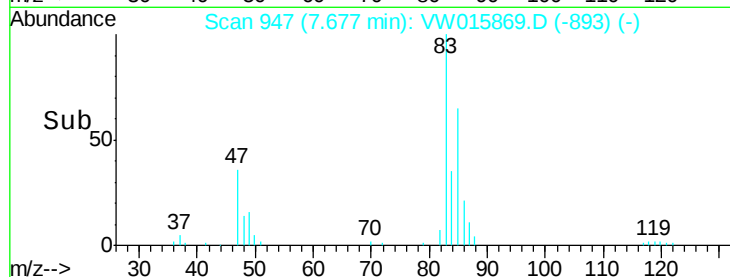
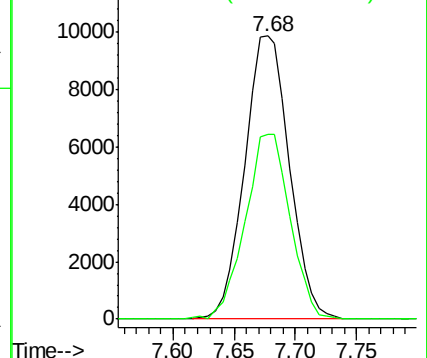
83 100

85 65.5 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 2.254 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015869.D

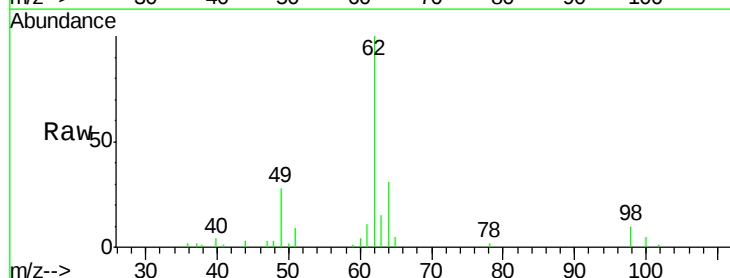
Acq: 20 Jul 2020 10:58

Tgt Ion: 62 Resp: 17177

Ion Ratio Lower Upper

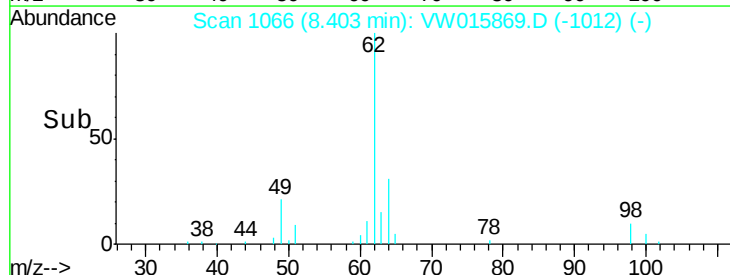
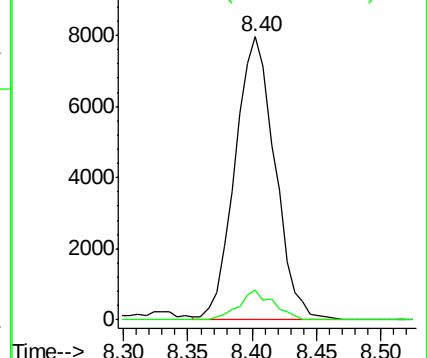
62 100

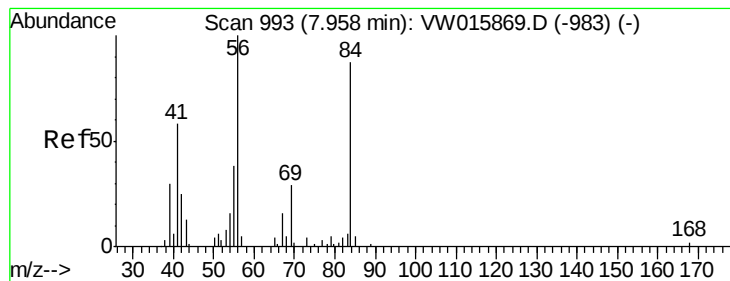
98 10.4 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 2.202 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

VSTD2.506

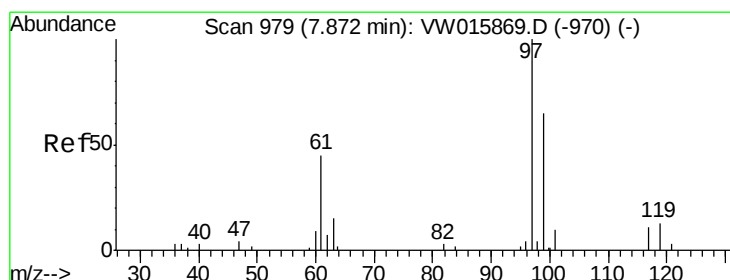
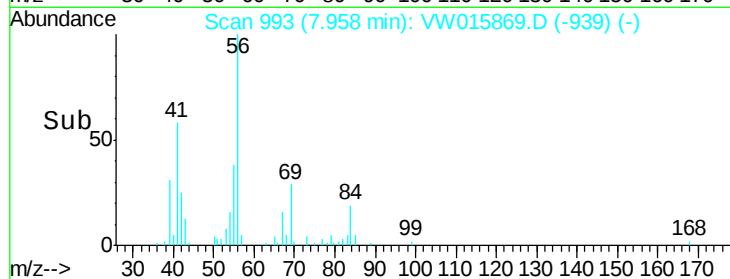
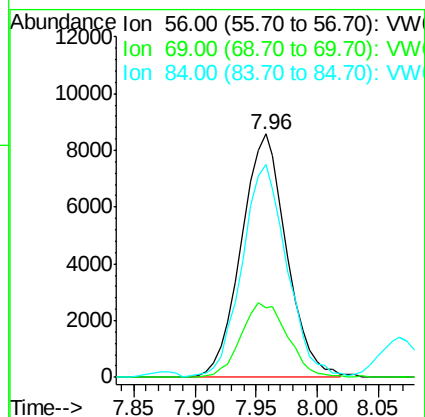
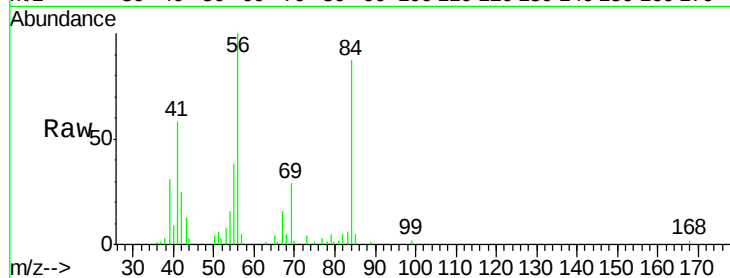
Tgt Ion: 56 Resp: 22082

Ion Ratio Lower Upper

56 100

69 31.5 24.4 36.6

84 86.6 69.3 103.9



#31

1,1,1-Trichloroethane

Concen: 2.358 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

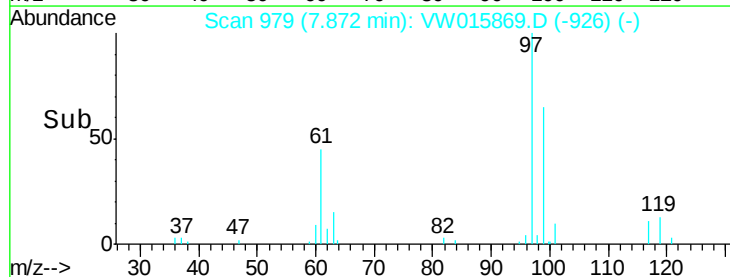
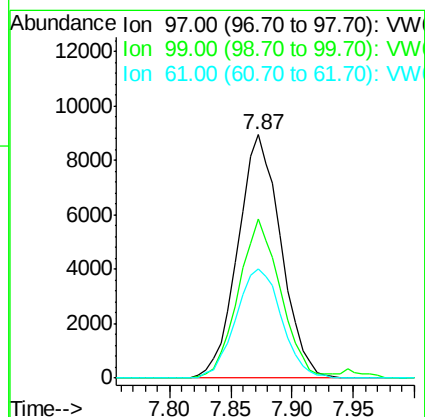
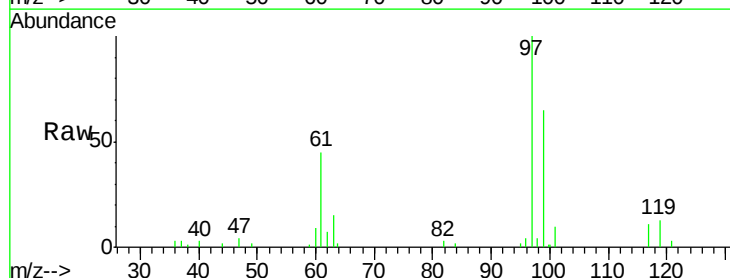
Tgt Ion: 97 Resp: 21893

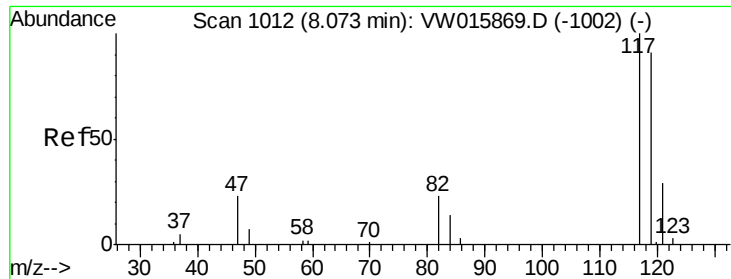
Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

61 47.6 37.6 56.4





#32

Carbon tetrachloride

Concen: 2.294 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

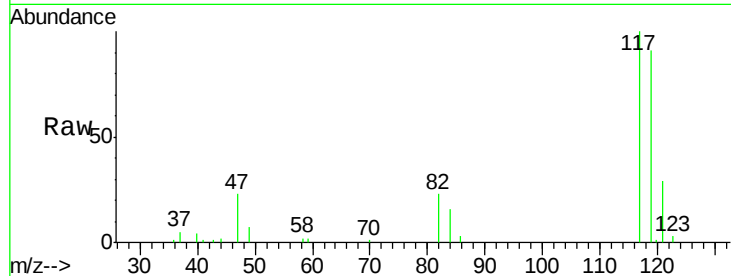
VSTD2.506

Tgt Ion:117 Resp: 19313

Ion Ratio Lower Upper

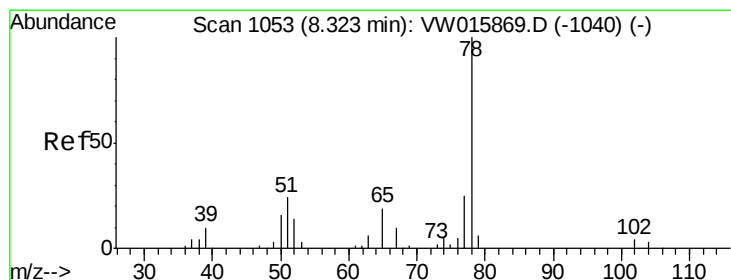
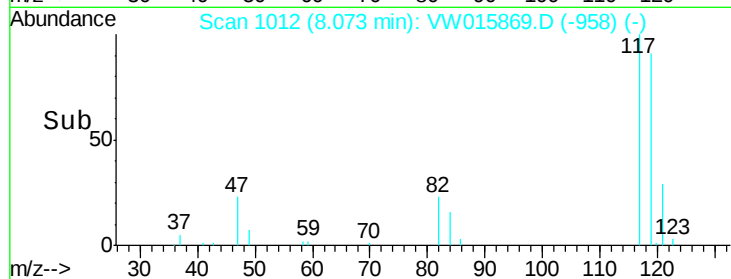
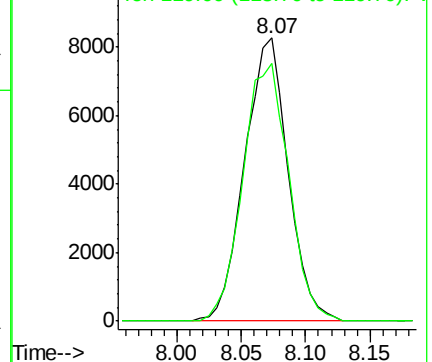
117 100

119 96.3 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.326 ug/L

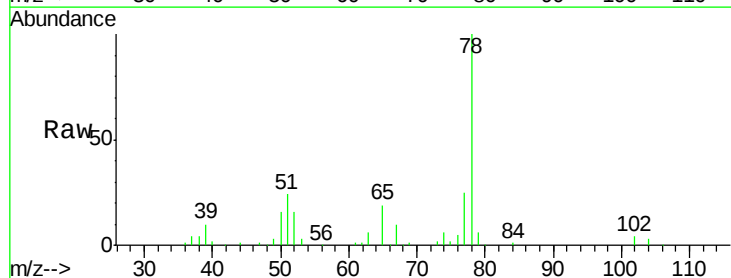
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

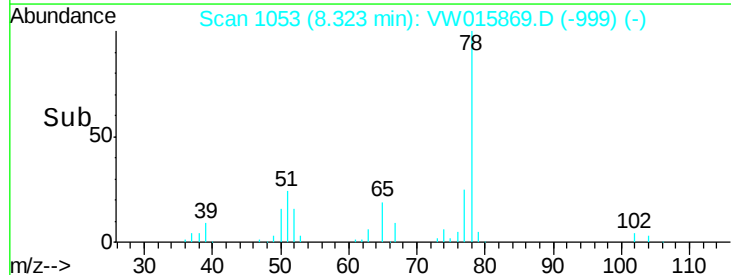
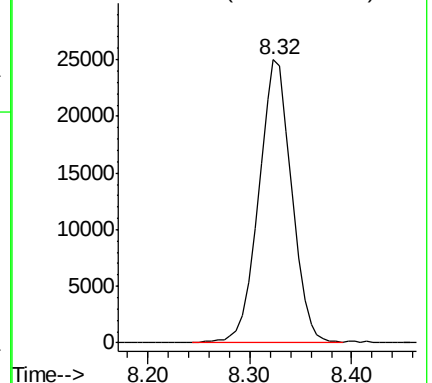
Lab File: VW015869.D

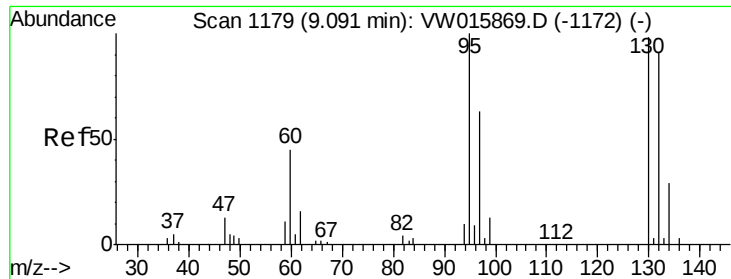
Acq: 20 Jul 2020 10:58

Tgt Ion: 78 Resp: 56172



Abundance Ion 78.00 (77.70 to 78.70): VW

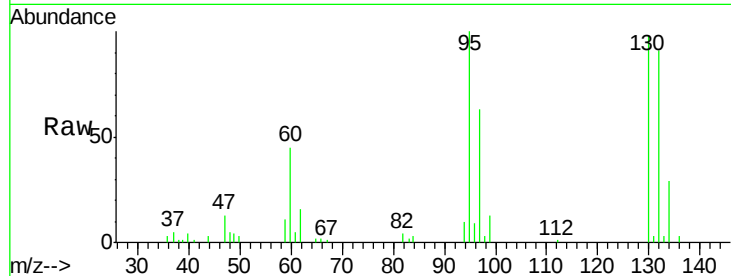




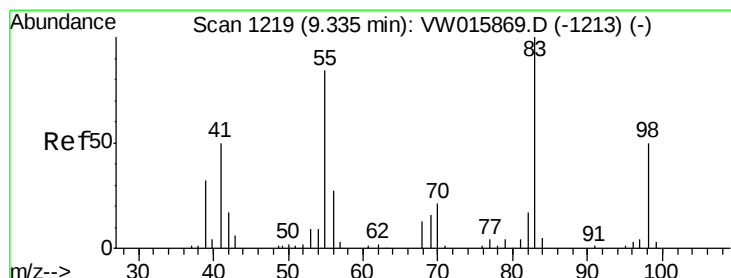
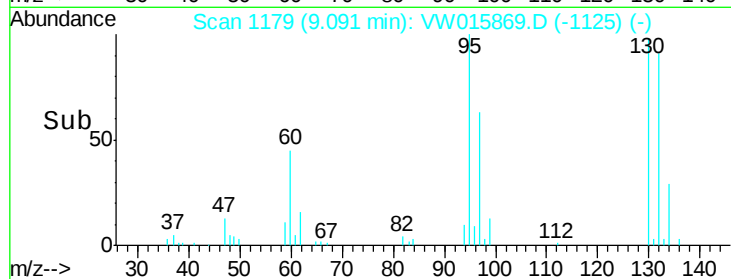
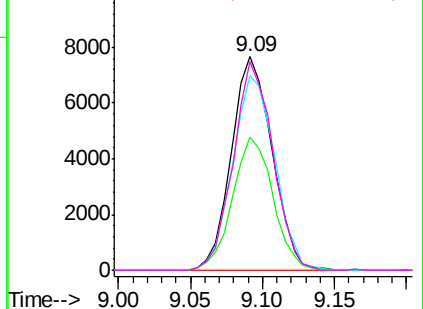
#35
 Trichloroethene
 Concen: 2.367 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Tgt Ion: 95 Resp: 15122
 Ion Ratio Lower Upper
 95 100
 97 61.7 44.4 82.4
 132 93.7 65.1 120.9
 130 94.6 68.6 127.4

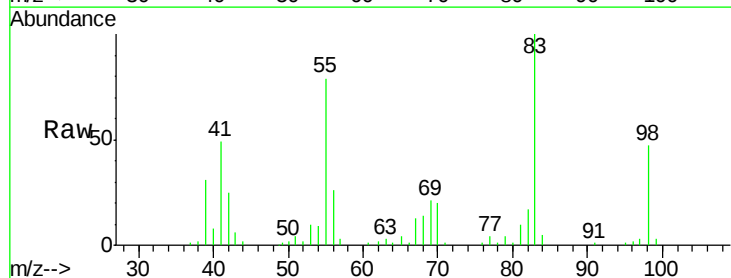


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

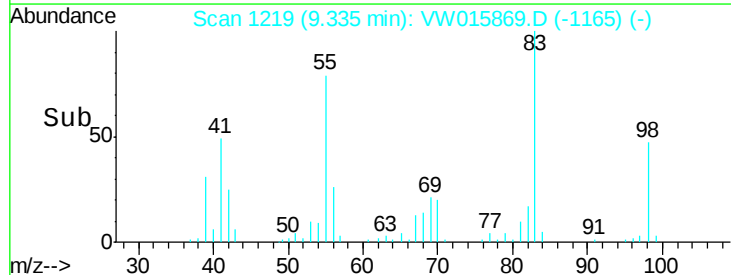
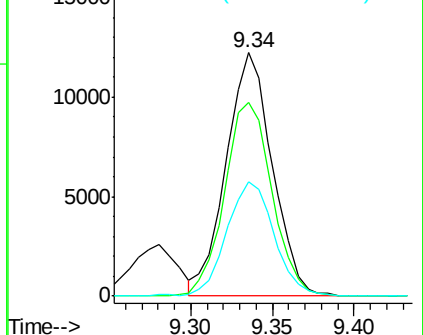


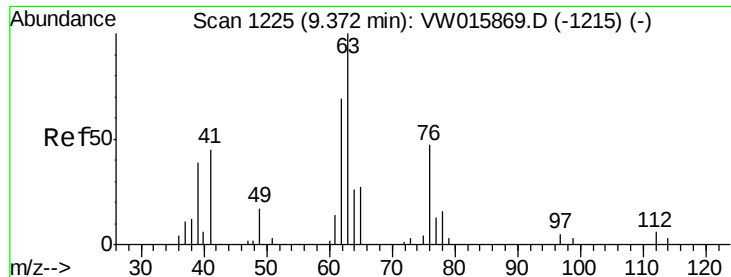
#36
 Methylcyclohexane
 Concen: 2.198 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Tgt Ion: 83 Resp: 24096
 Ion Ratio Lower Upper
 83 100
 55 81.8 63.5 95.3
 98 48.0 39.0 58.4



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

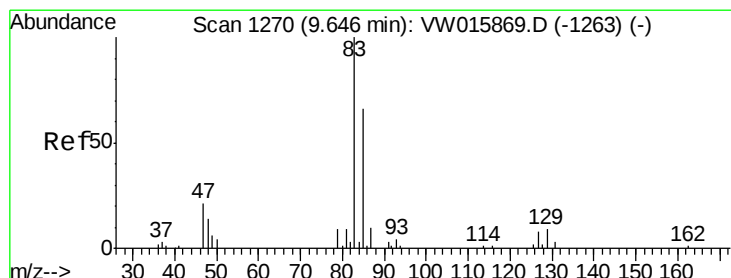
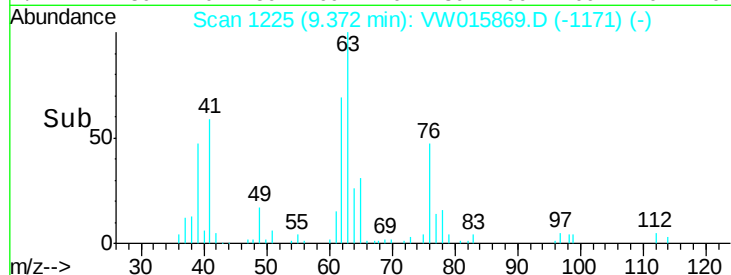
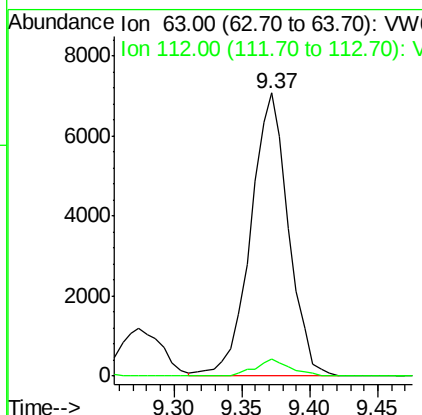
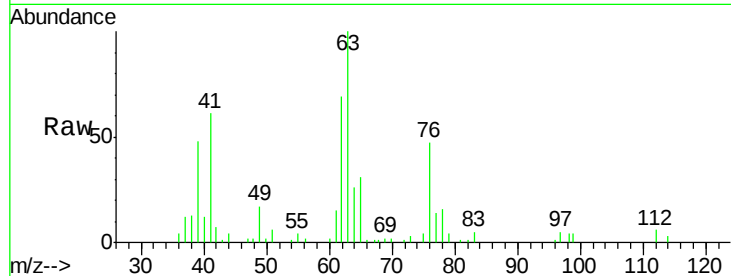




#40
 1,2-Dichloropropane
 Concen: 2.303 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

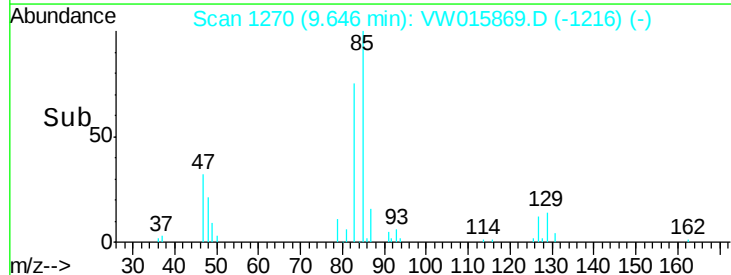
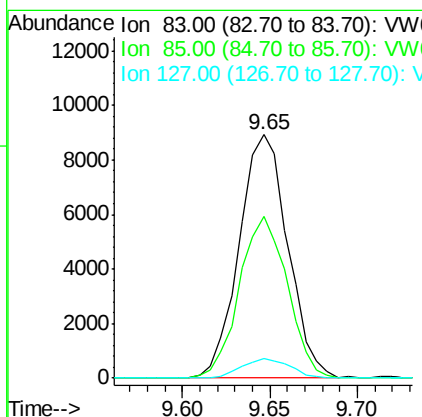
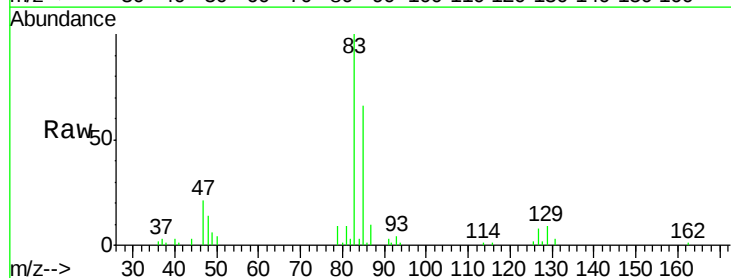
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

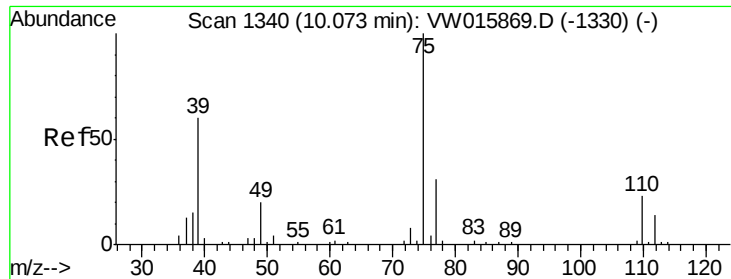
Tgt Ion: 63 Resp: 13782
 Ion Ratio Lower Upper
 63 100
 112 5.6 3.7 5.5#



#41
 Bromodichloromethane
 Concen: 2.237 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Tgt Ion: 83 Resp: 17289
 Ion Ratio Lower Upper
 83 100
 85 66.5 43.7 81.1
 127 8.0 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 2.064 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

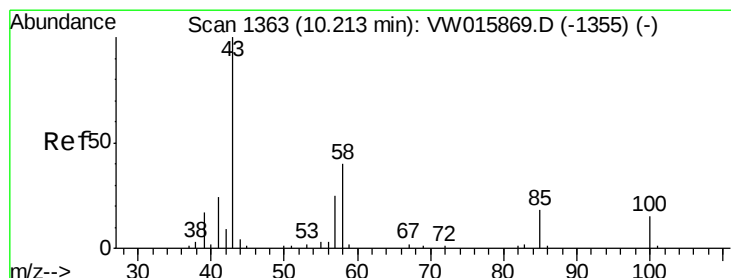
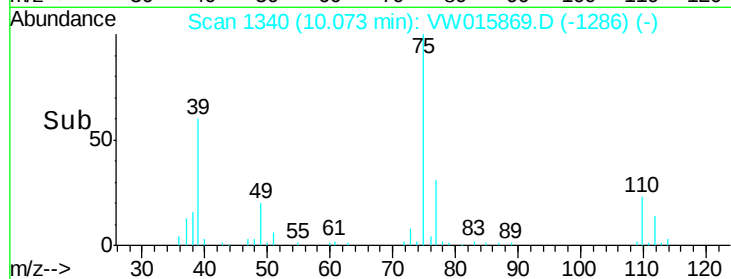
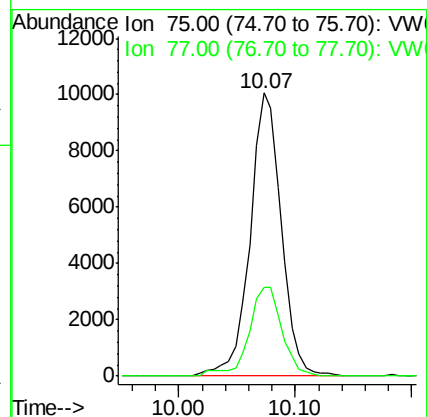
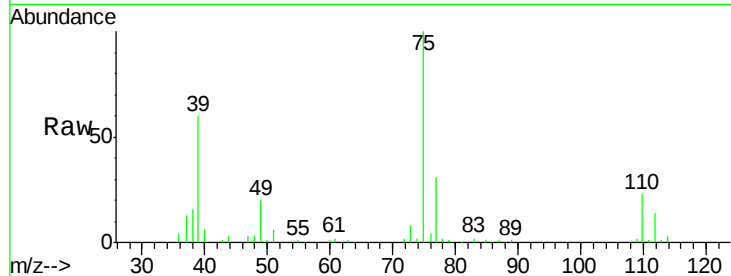
VSTD2.506

Tgt Ion: 75 Resp: 18808

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 4.045 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

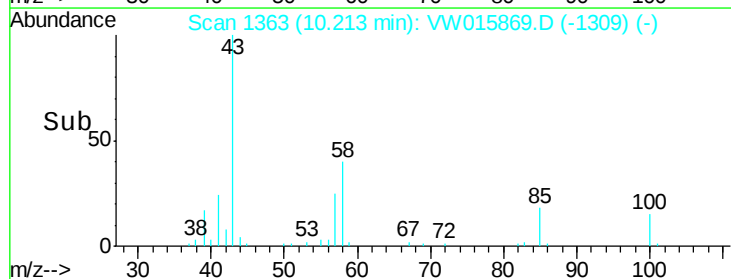
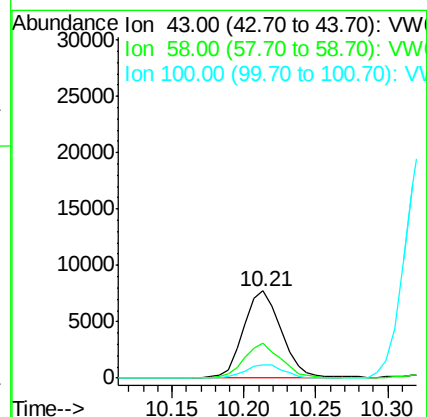
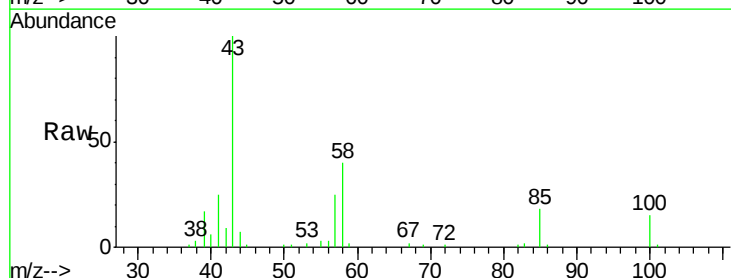
Tgt Ion: 43 Resp: 14128

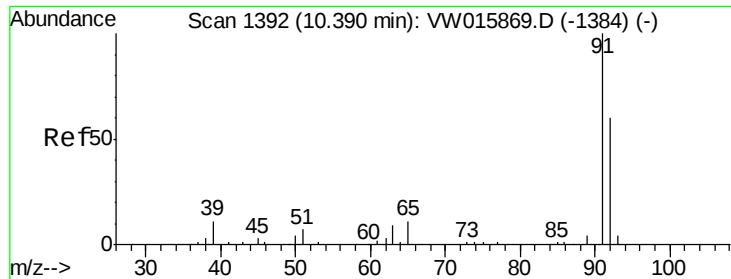
Ion Ratio Lower Upper

43 100

58 38.3 31.0 46.4

100 15.7 12.6 19.0





#44

Toluene

Concen: 2.231 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

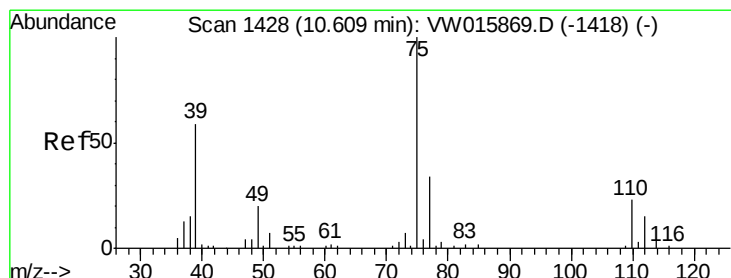
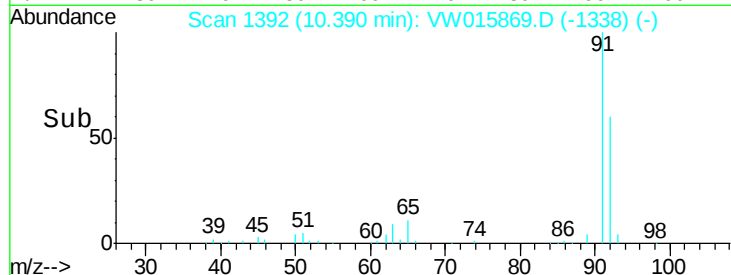
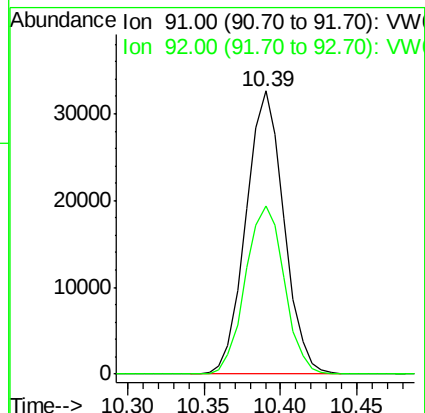
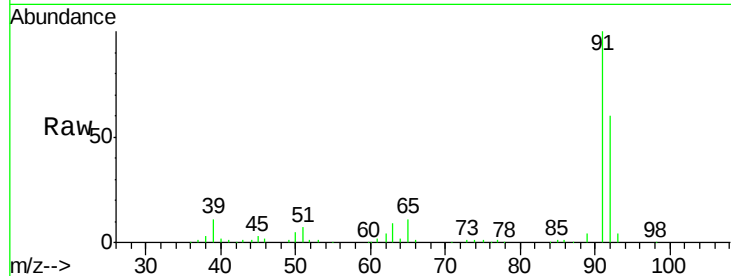
VSTD2.506

Tgt Ion: 91 Resp: 56517

Ion Ratio Lower Upper

91 100

92 59.6 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 2.040 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015869.D

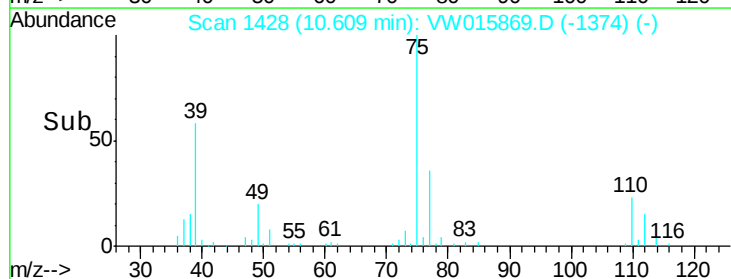
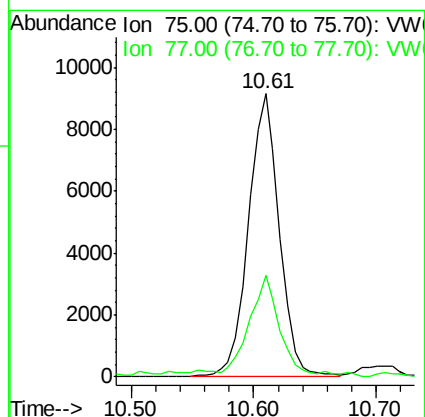
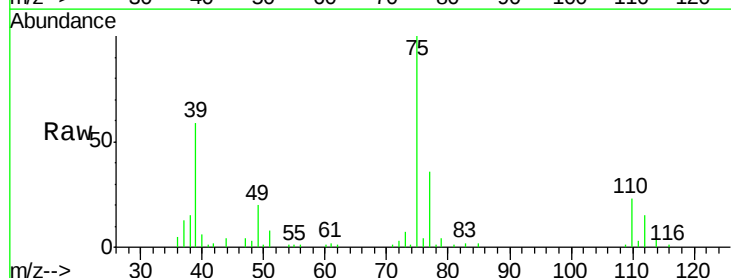
Acq: 20 Jul 2020 10:58

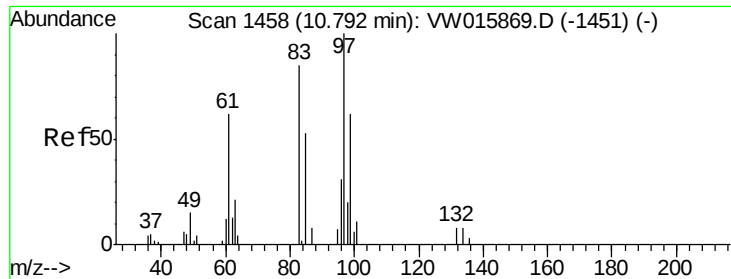
Tgt Ion: 75 Resp: 16116

Ion Ratio Lower Upper

75 100

77 35.8 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 2.236 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion: 97 Resp: 9620

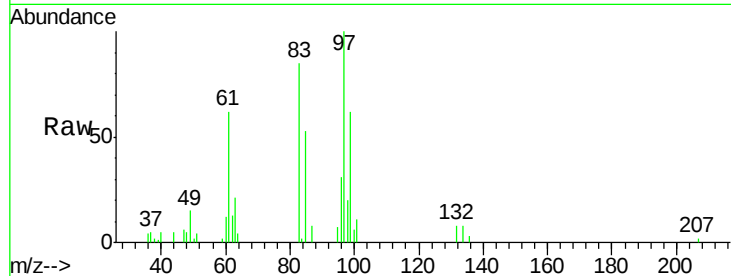
Ion Ratio Lower Upper

97 100

83 85.0 60.6 112.6

85 53.0 38.9 72.2

99 61.5 43.1 80.1



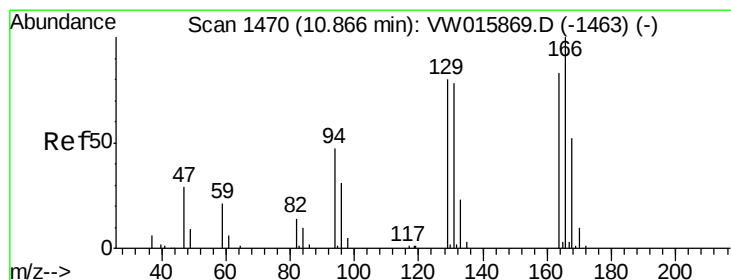
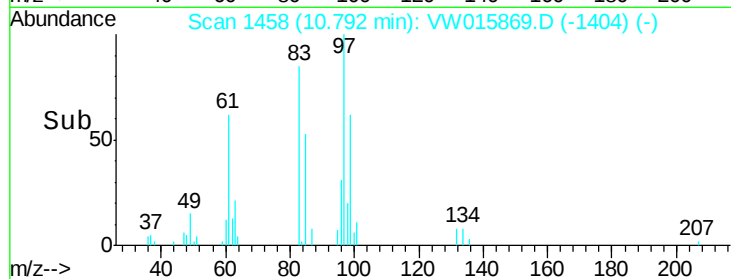
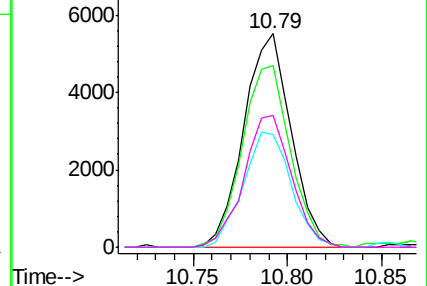
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.358 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Tgt Ion: 164 Resp: 11694

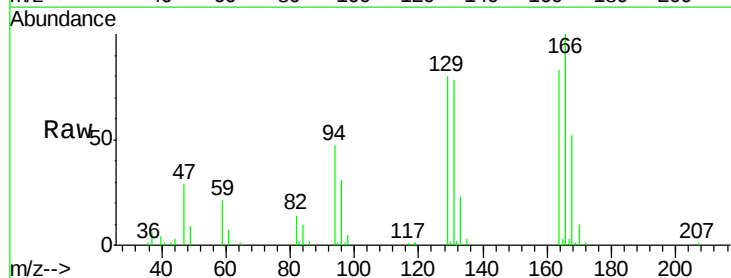
Ion Ratio Lower Upper

164 100

129 97.1 70.0 130.0

131 94.8 67.3 124.9

166 121.1 88.5 164.3



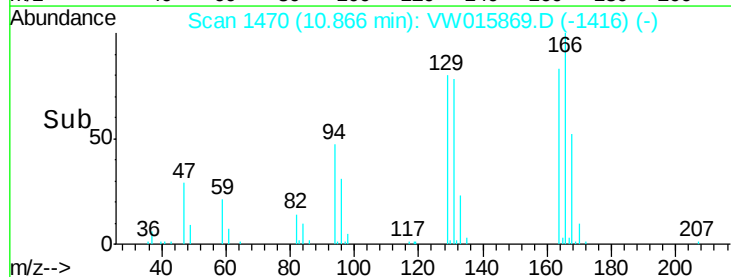
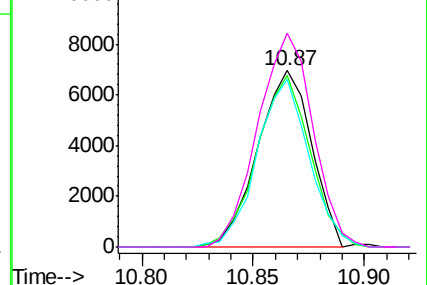
Abundance

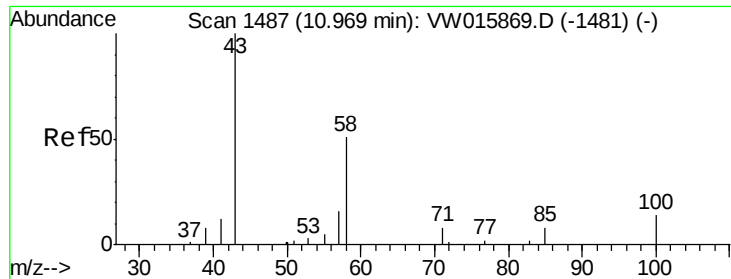
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

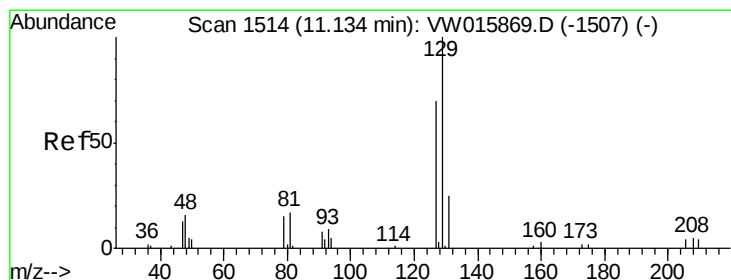
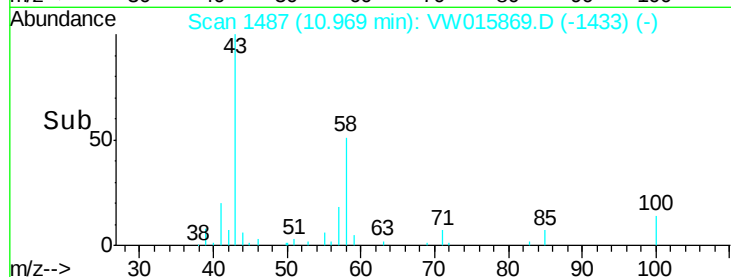
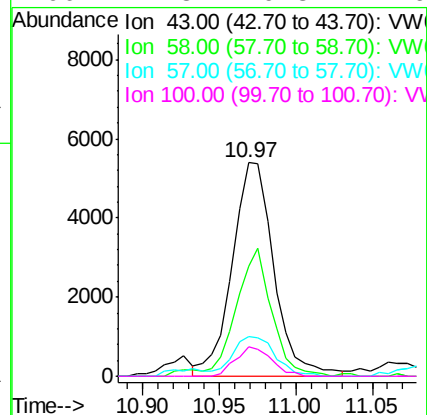
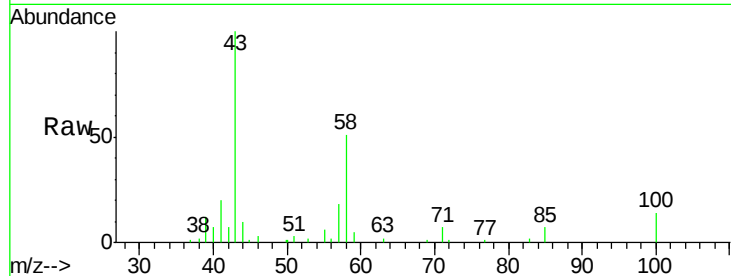




#49
2-Hexanone
Concen: 4.124 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

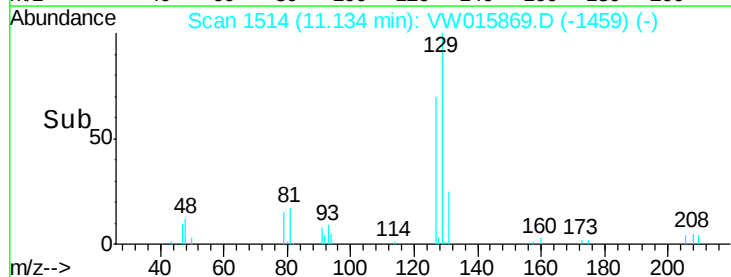
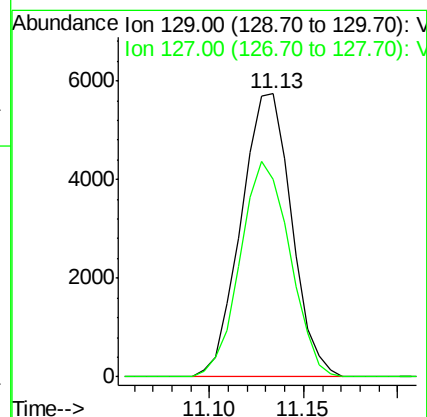
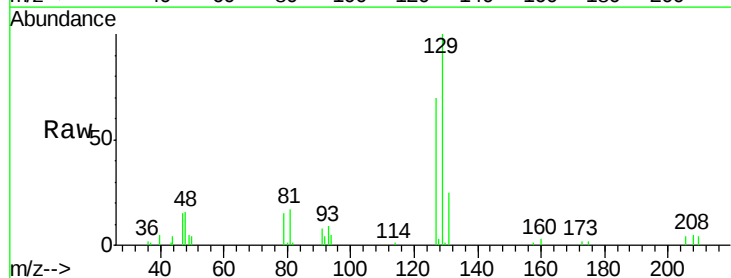
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

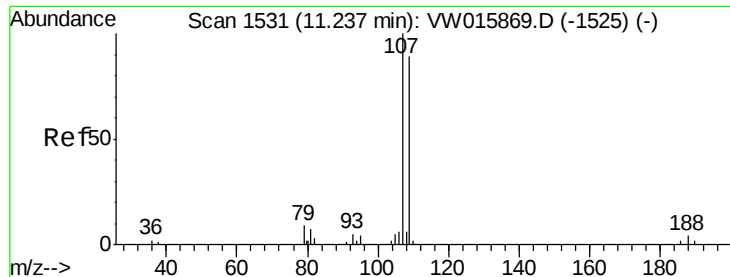
Tgt Ion: 43 Resp: 10221
Ion Ratio Lower Upper
43 100
58 50.1 42.4 63.6
57 17.1 15.6 23.4
100 11.8 9.8 14.6



#50
Dibromochloromethane
Concen: 2.149 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

Tgt Ion: 129 Resp: 10705
Ion Ratio Lower Upper
129 100
127 69.8 53.8 100.0

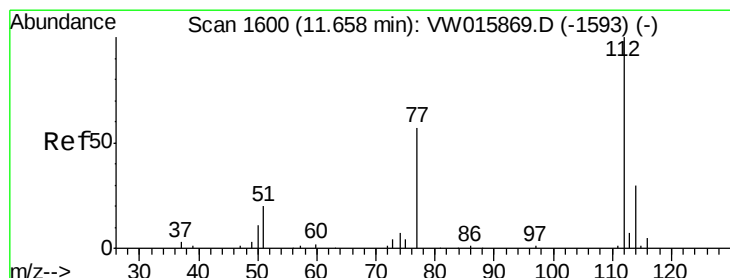
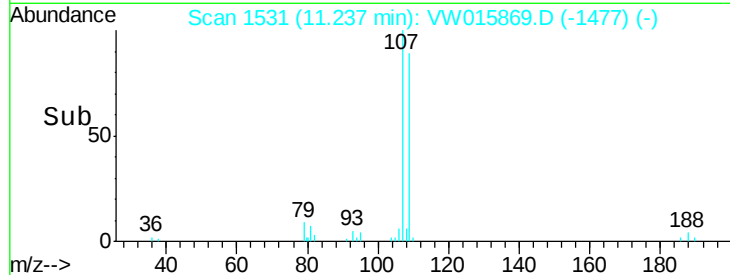
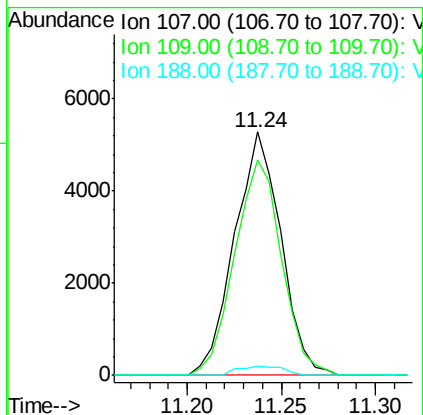
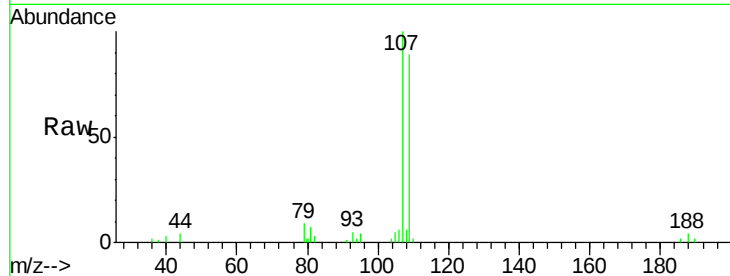




#51
 1,2-Dibromoethane
 Concen: 2.194 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

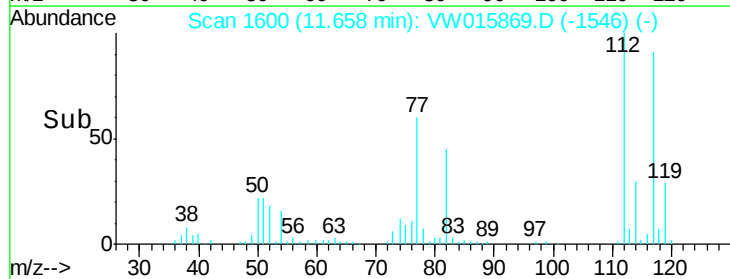
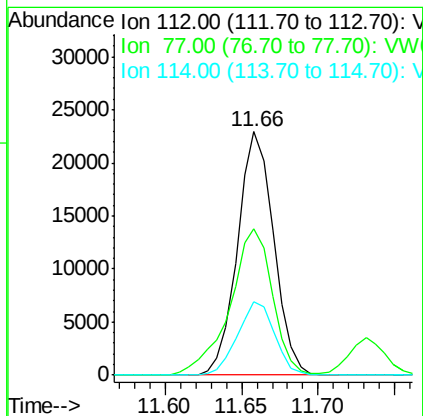
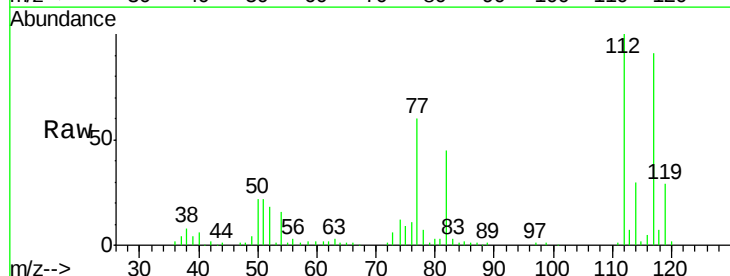
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

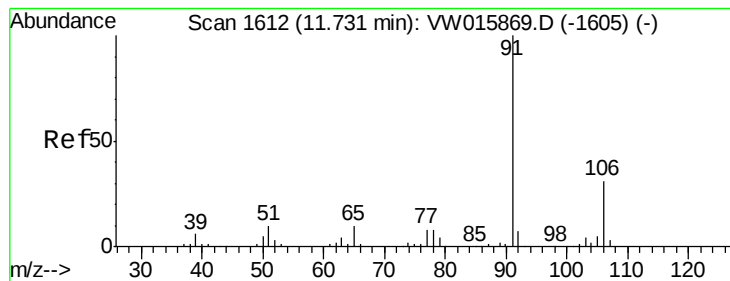
Tgt Ion:107 Resp: 9031
 Ion Ratio Lower Upper
 107 100
 109 88.6 66.9 124.3
 188 3.7 3.2 4.8



#52
 Chlorobenzene
 Concen: 2.328 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Tgt Ion:112 Resp: 37791
 Ion Ratio Lower Upper
 112 100
 77 60.2 47.8 71.6
 114 30.0 22.1 41.1





#53

Ethylbenzene

Concen: 2.215 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

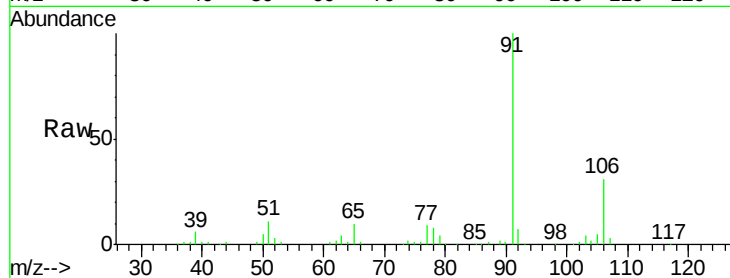
VSTD2.506

Tgt Ion: 91 Resp: 63091

Ion Ratio Lower Upper

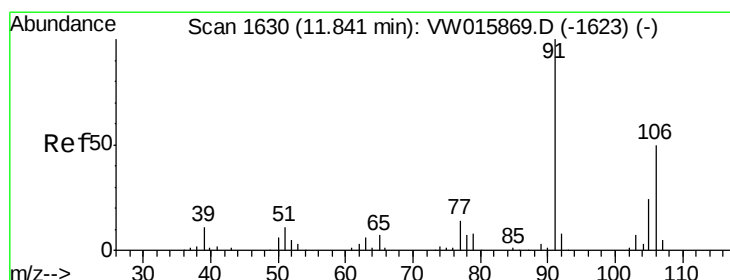
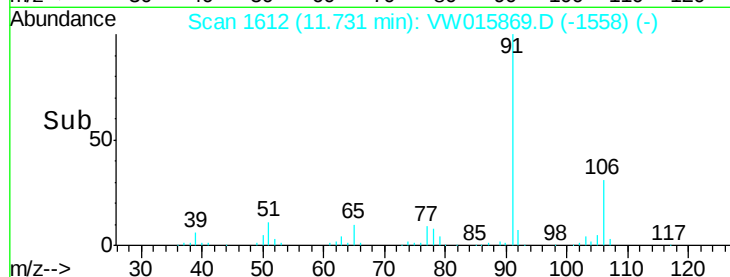
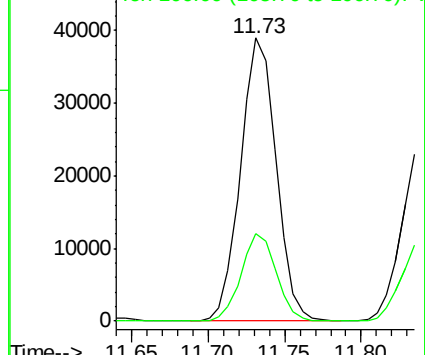
91 100

106 30.8 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 2.165 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015869.D

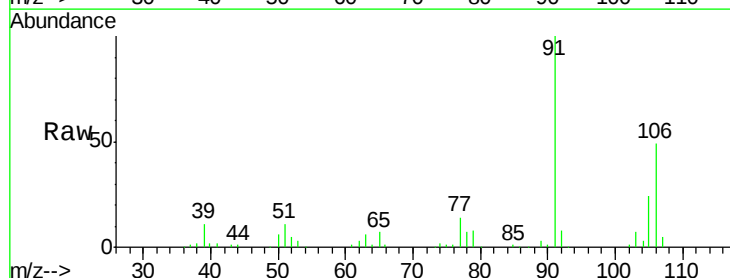
Acq: 20 Jul 2020 10:58

Tgt Ion: 106 Resp: 23071

Ion Ratio Lower Upper

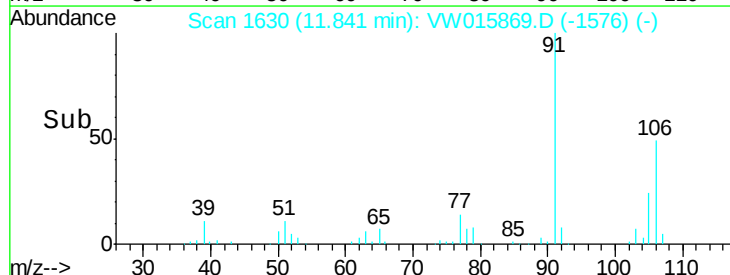
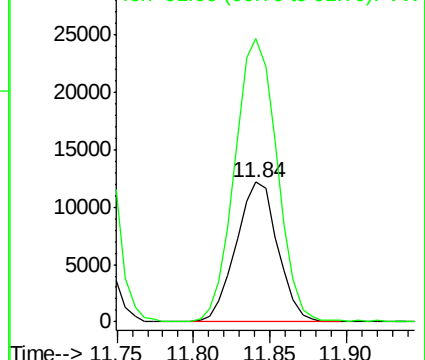
106 100

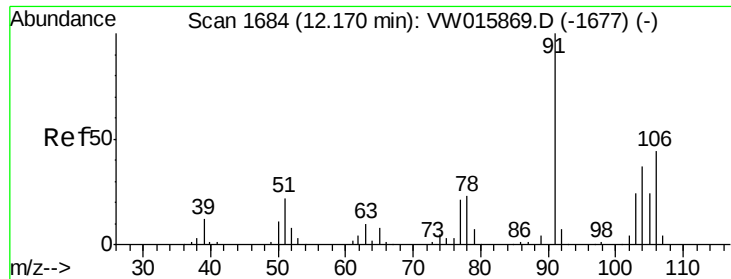
91 202.3 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

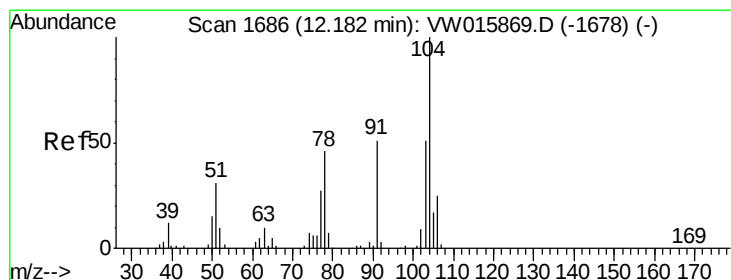
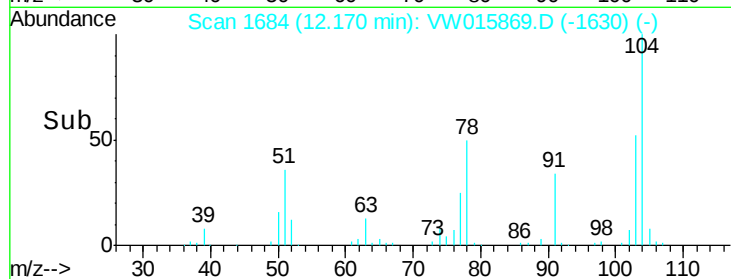
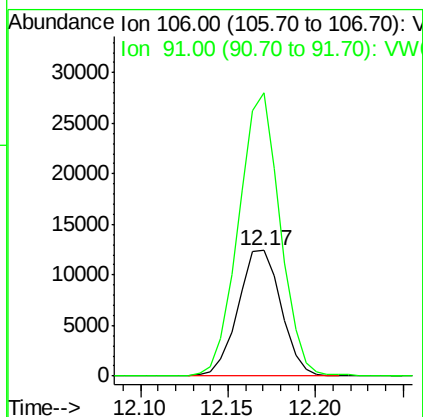
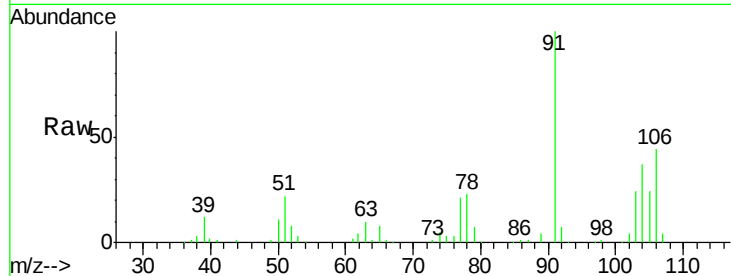




#55
o-xylene
Concen: 2.131 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

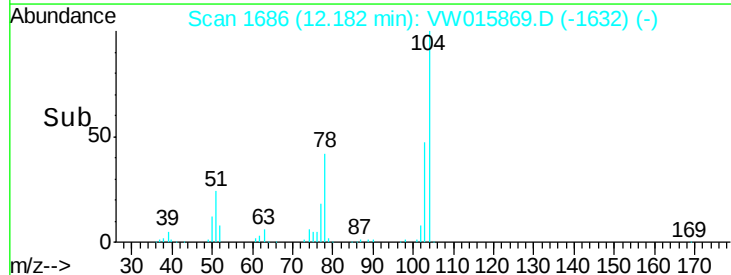
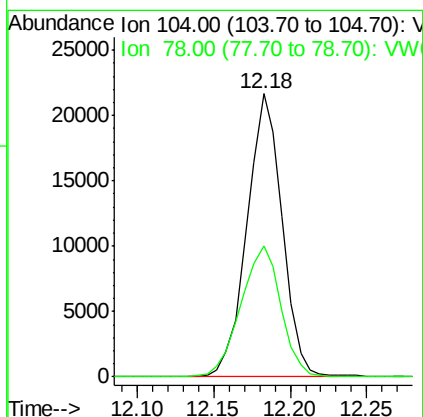
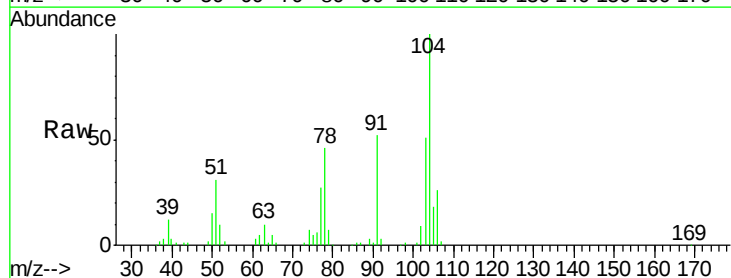
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

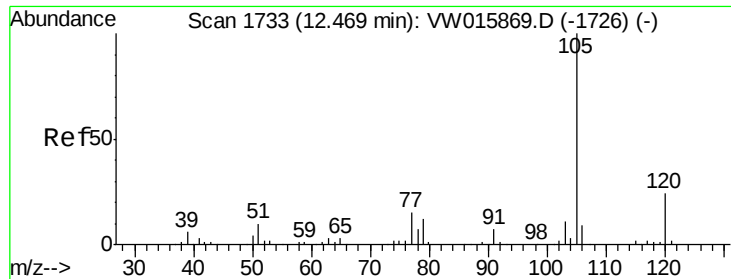
Tgt Ion:106 Resp: 21388
Ion Ratio Lower Upper
106 100
91 225.7 146.8 272.6



#56
Styrene
Concen: 2.030 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015869.D
Acq: 20 Jul 2020 10:58

Tgt Ion:104 Resp: 34642
Ion Ratio Lower Upper
104 100
78 46.2 32.0 59.4





#57

Isopropylbenzene

Concen: 2.148 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

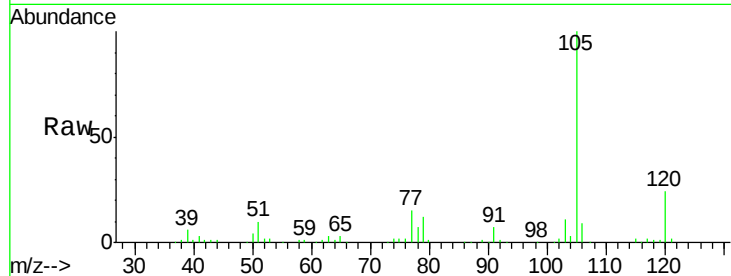
Tgt Ion: 105 Resp: 58673

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

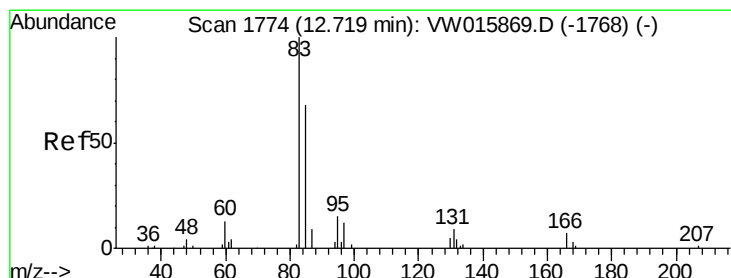
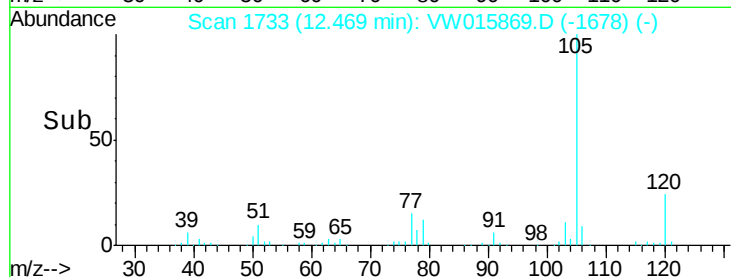
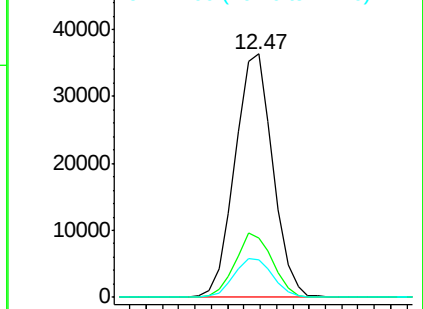
77 16.4 12.9 19.3



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



#58

1,1,2,2-Tetrachloroethane

Concen: 2.175 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

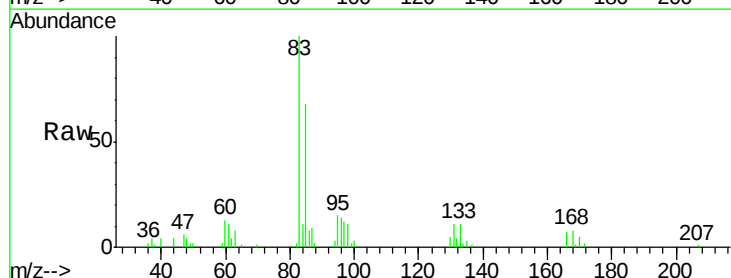
Tgt Ion: 83 Resp: 10988

Ion Ratio Lower Upper

83 100

85 67.7 45.1 83.7

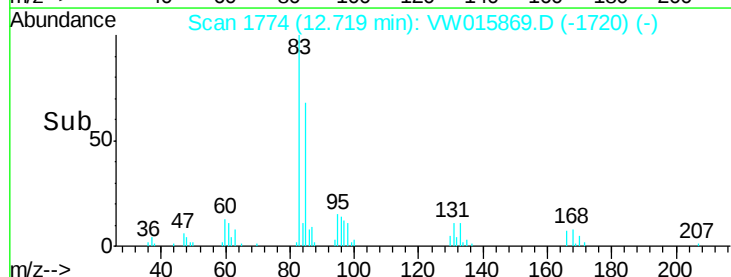
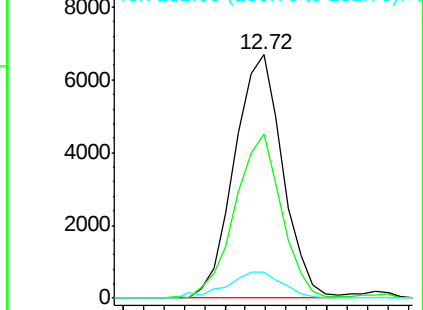
131 10.7 8.2 12.4

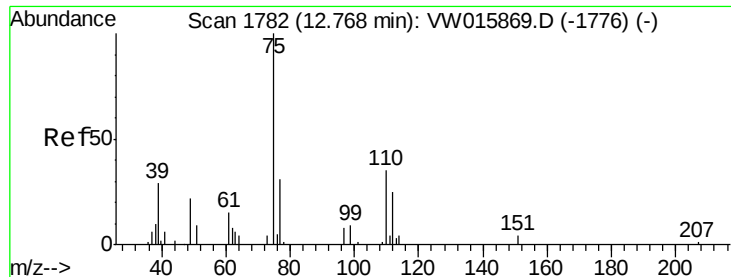


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.171 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

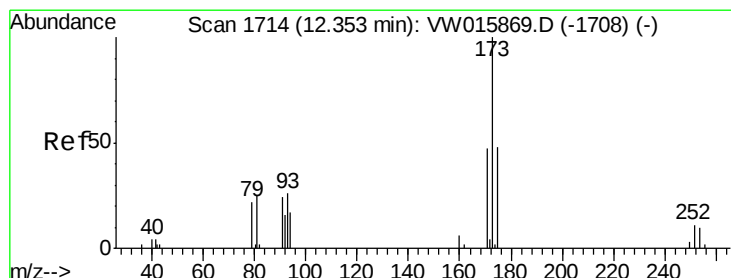
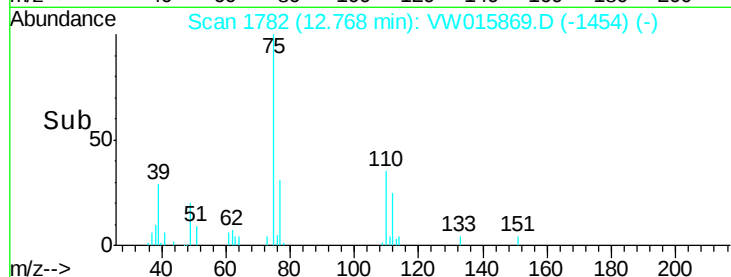
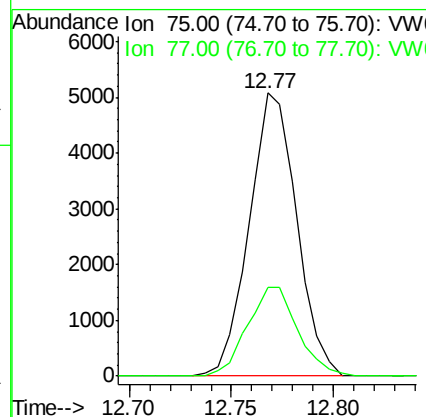
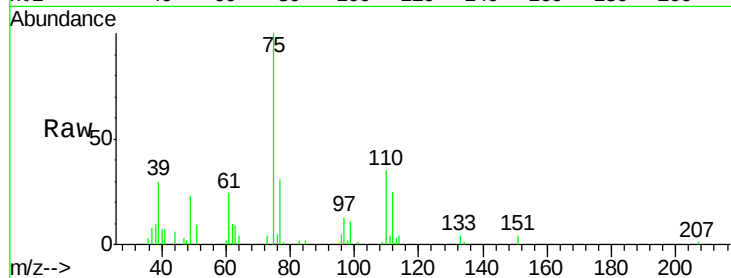
VSTD2.506

Tgt Ion: 75 Resp: 8218

Ion Ratio Lower Upper

75 100

77 33.3 26.0 39.0



#62

Bromoform

Concen: 2.067 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

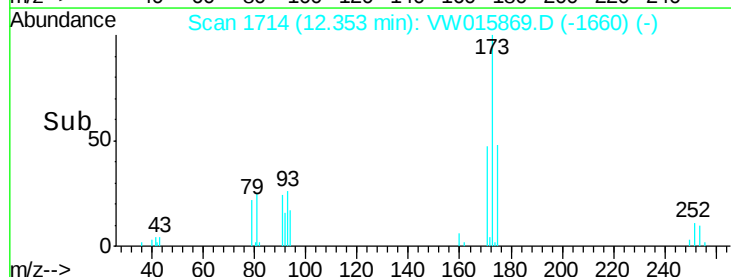
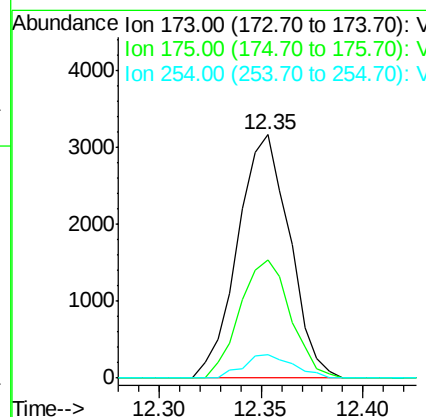
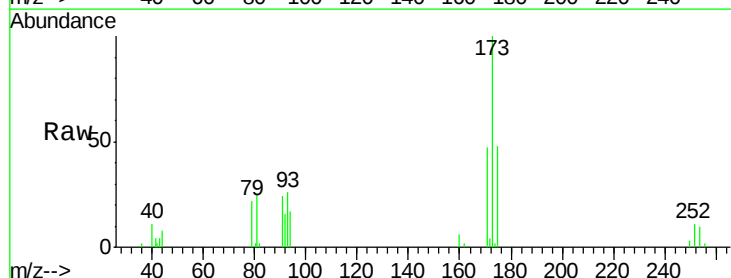
Tgt Ion: 173 Resp: 5602

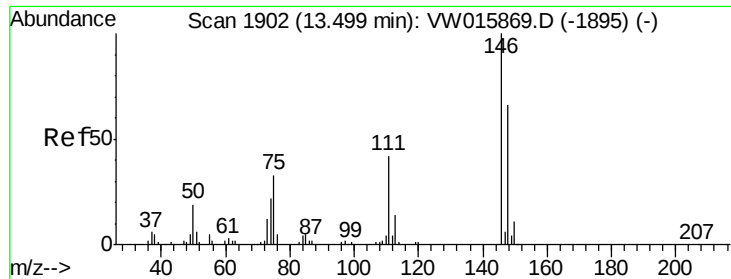
Ion Ratio Lower Upper

173 100

175 47.4 38.7 58.1

254 9.2 7.9 11.9

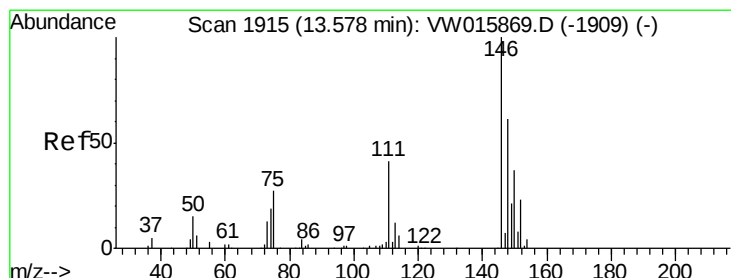
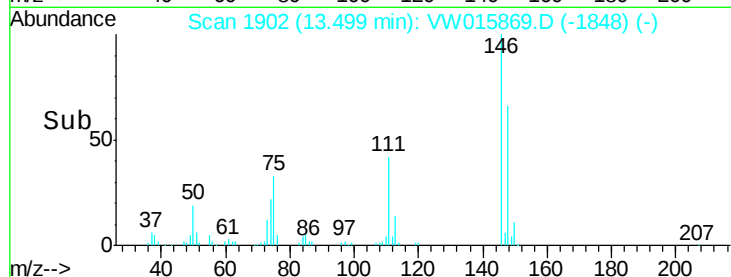
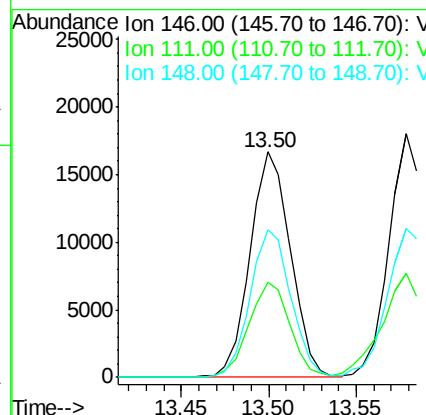
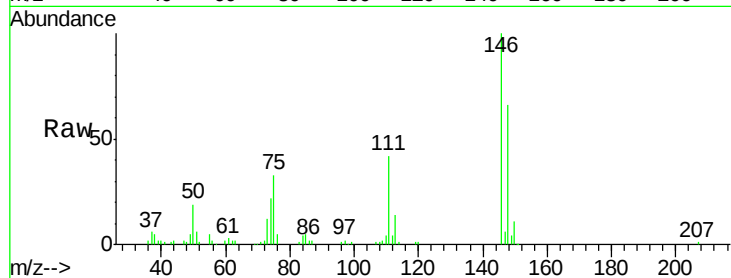




#63
 1,3-Dichlorobenzene
 Concen: 2.274 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

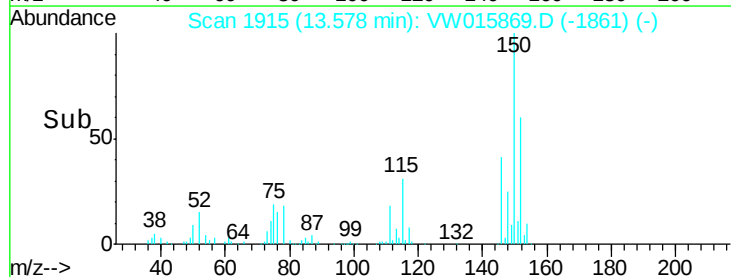
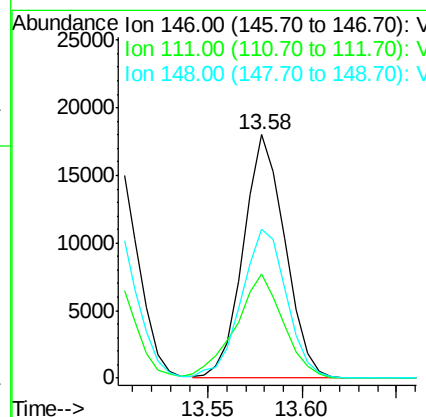
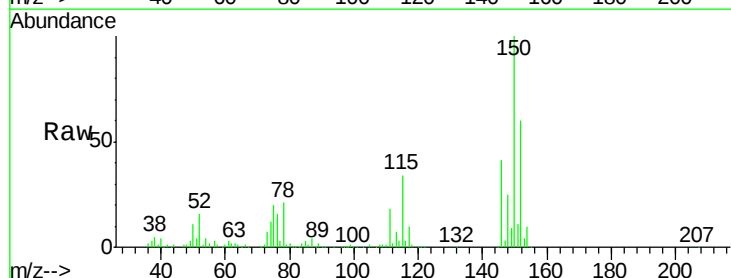
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

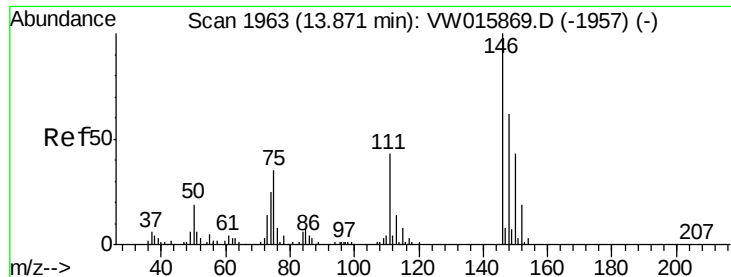
Tgt Ion:146 Resp: 26810
 Ion Ratio Lower Upper
 146 100
 111 42.0 27.9 51.7
 148 65.7 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 2.313 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Tgt Ion:146 Resp: 27677
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.3 54.3
 148 61.1 44.5 82.7

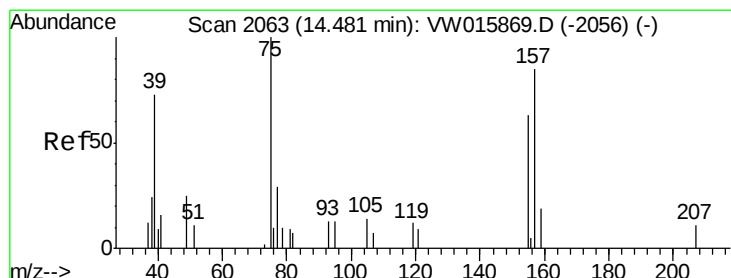
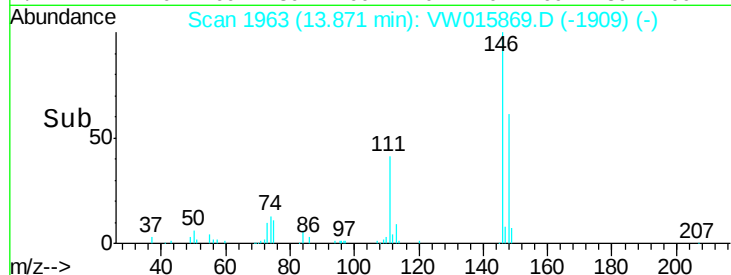
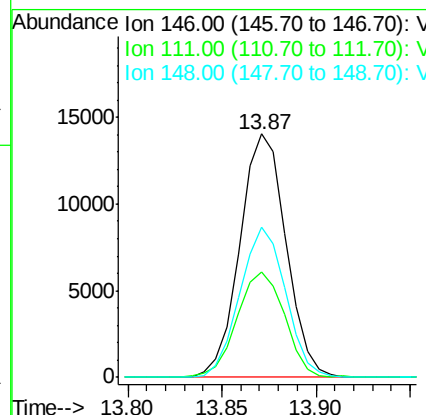
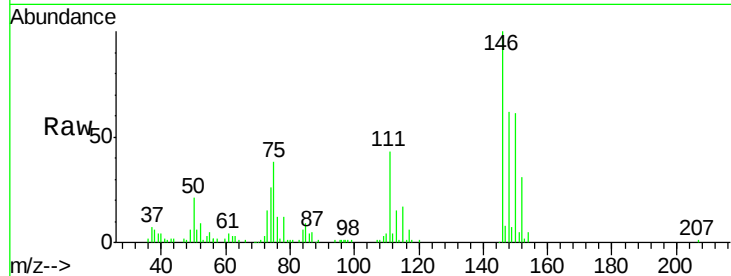




#65
 1,2-Dichlorobenzene
 Concen: 2.226 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

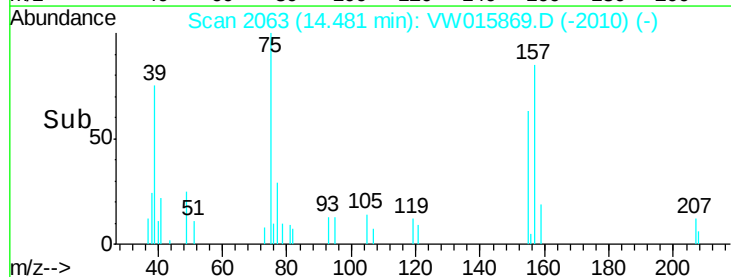
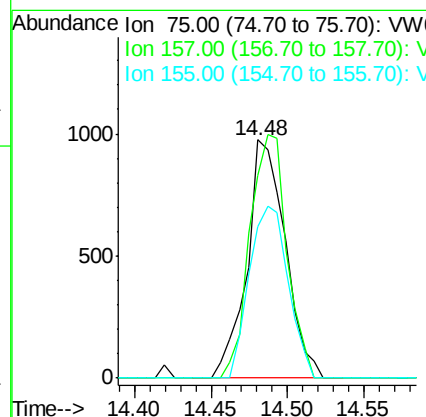
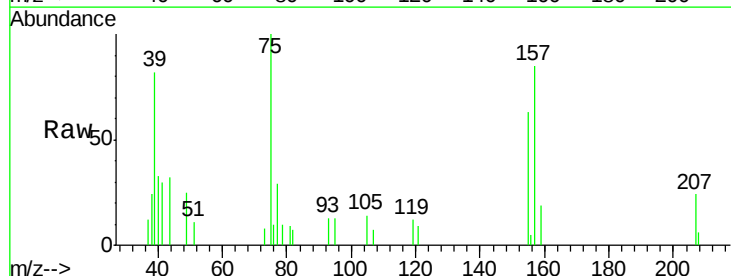
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

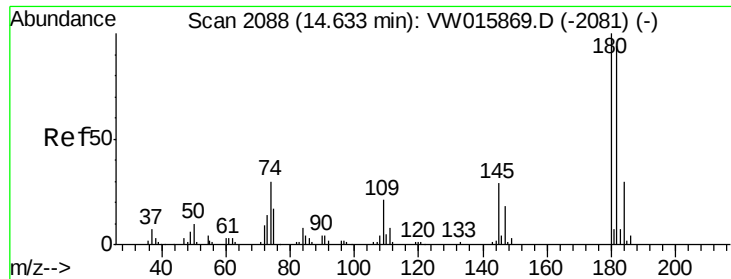
Tgt Ion: 146 Resp: 23839
 Ion Ratio Lower Upper
 146 100
 111 43.4 32.9 49.3
 148 61.5 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.105 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Tgt Ion: 75 Resp: 1697
 Ion Ratio Lower Upper
 75 100
 157 84.9 83.0 124.4
 155 63.5 66.9 100.3#

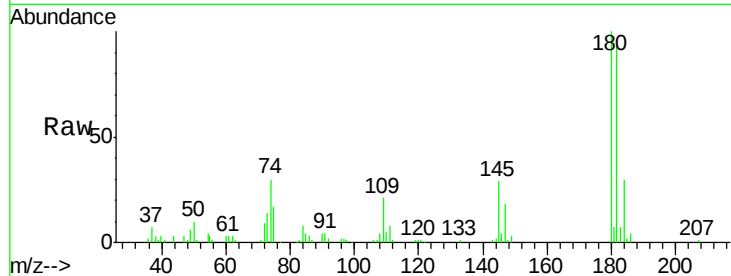




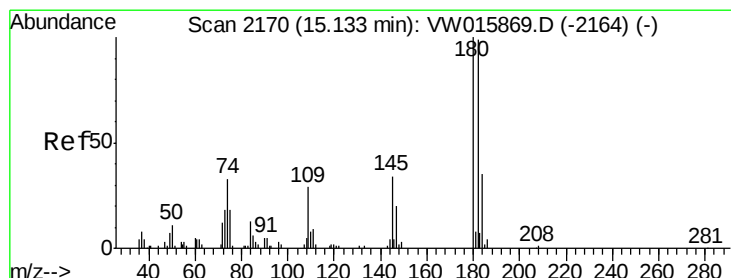
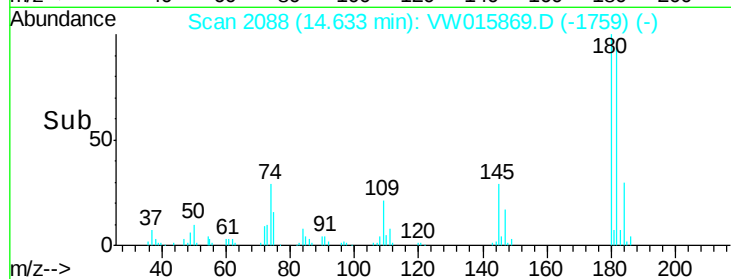
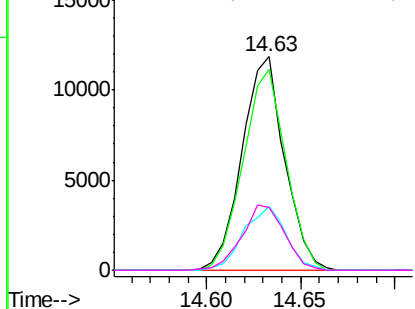
#67
 1,3,5-Trichlorobenzene
 Concen: 2.233 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Tgt Ion:180 Resp: 18511
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.0
 184 29.9 24.6 37.0
 145 30.7 24.1 36.1

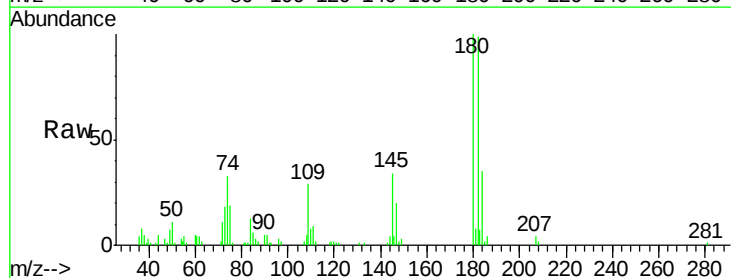


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

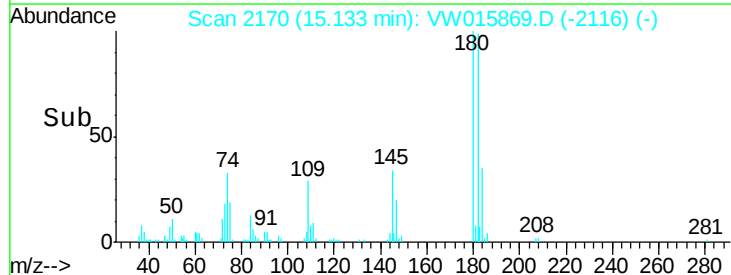
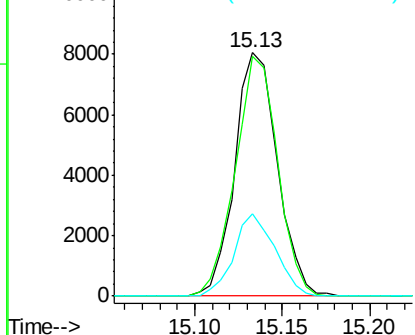


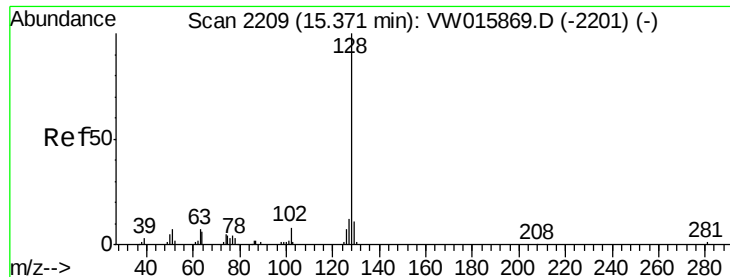
#68
 1,2,4-trichlorobenzene
 Concen: 2.077 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015869.D
 Acq: 20 Jul 2020 10:58

Tgt Ion:180 Resp: 13680
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.0 114.0
 145 32.3 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.884 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

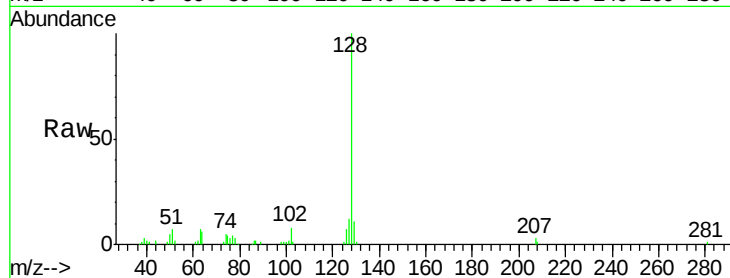
Tgt Ion:128 Resp: 23373

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

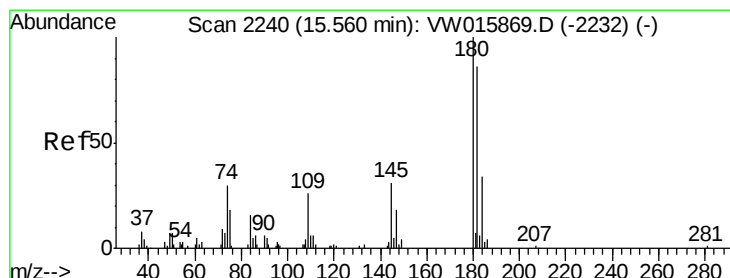
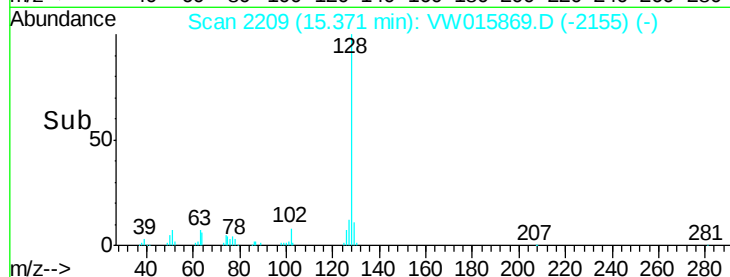
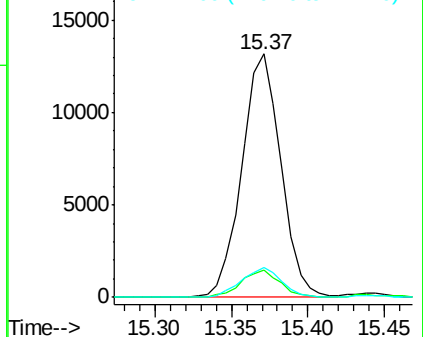
127 12.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.197 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015869.D

Acq: 20 Jul 2020 10:58

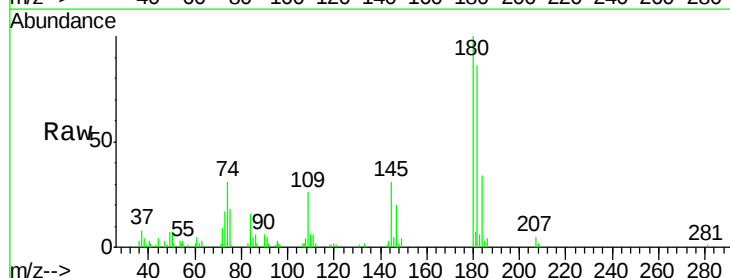
Tgt Ion:180 Resp: 12891

Ion Ratio Lower Upper

180 100

182 90.5 74.0 111.0

145 33.0 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

