

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072020\
 Data File : VW015870.D
 Acq On : 20 Jul 2020 11:46
 Operator : SY/VA
 Sample : VSTD00501
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

Quant Time: Jul 20 12:48:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 12:42:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	409581	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	373524	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	172333	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	32969	4.83	ug/L	0.00
7) Chloroethane-d5	2.89	69	25207	3.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	61611	6.10	ug/L	0.00
20) 2-Butanone-d5	7.09	46	15924	13.62	ug/L	0.00
24) Chloroform-d	7.65	84	60519	5.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	34197	5.67	ug/L	0.00
29) Benzene-d6	8.28	84	117661	5.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	35386	5.85	ug/L	0.00
37) Toluene-d8	10.33	98	106709	5.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	14669	5.64	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	11117	12.47	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27419	5.67	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	34307	5.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	18231	6.165 ug/L	92
3) Chloromethane	2.21	50	20906	4.727 ug/L	100
5) Vinyl chloride	2.37	62	36706	4.871 ug/L	99
6) Bromomethane	2.78	94	21335	3.328 ug/L	97
8) Chloroethane	2.93	64	20240	3.839 ug/L	94
9) Trichlorofluoromethane	3.26	101	22809	3.268 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	28071	5.854 ug/L	97
12) 1,1-Dichloroethene	4.04	96	27701	6.097 ug/L	98
13) Acetone	4.13	43	13990	15.210 ug/L	98
14) Carbon disulfide	4.38	76	86847	5.880 ug/L	100
15) Methyl Acetate	4.68	43	12949	7.015 ug/L	99
16) Methylene chloride	4.92	84	38588	6.851 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	39182	5.772 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	28772	5.366 ug/L	98
19) 1,1-Dichloroethane	6.22	63	54335	5.758 ug/L	97
21) 2-Butanone	7.18	43	17007	13.921 ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	29685	5.260 ug/L	99
23) Bromochloromethane	7.52	128	13383	5.328 ug/L	92
25) Chloroform	7.68	83	53848	5.356 ug/L	100
27) 1,2-Dichloroethane	8.40	62	37804	5.731 ug/L	100
30) Cyclohexane	7.96	56	47455	5.921 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	45696	5.442 ug/L	100
32) Carbon tetrachloride	8.07	117	41140	5.280 ug/L	97
34) Benzene	8.33	78	119434	5.621 ug/L	100
35) Trichloroethene	9.10	95	30985	5.410 ug/L	99
36) Methylcyclohexane	9.34	83	52320	5.343 ug/L	99
40) 1,2-Dichloropropane	9.37	63	29619	5.825 ug/L	99
41) Bromodichloromethane	9.65	83	37050	5.406 ug/L	93
42) cis-1,3-Dichloropropene	10.08	75	42375	5.560 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	33770	13.505 ug/L	98

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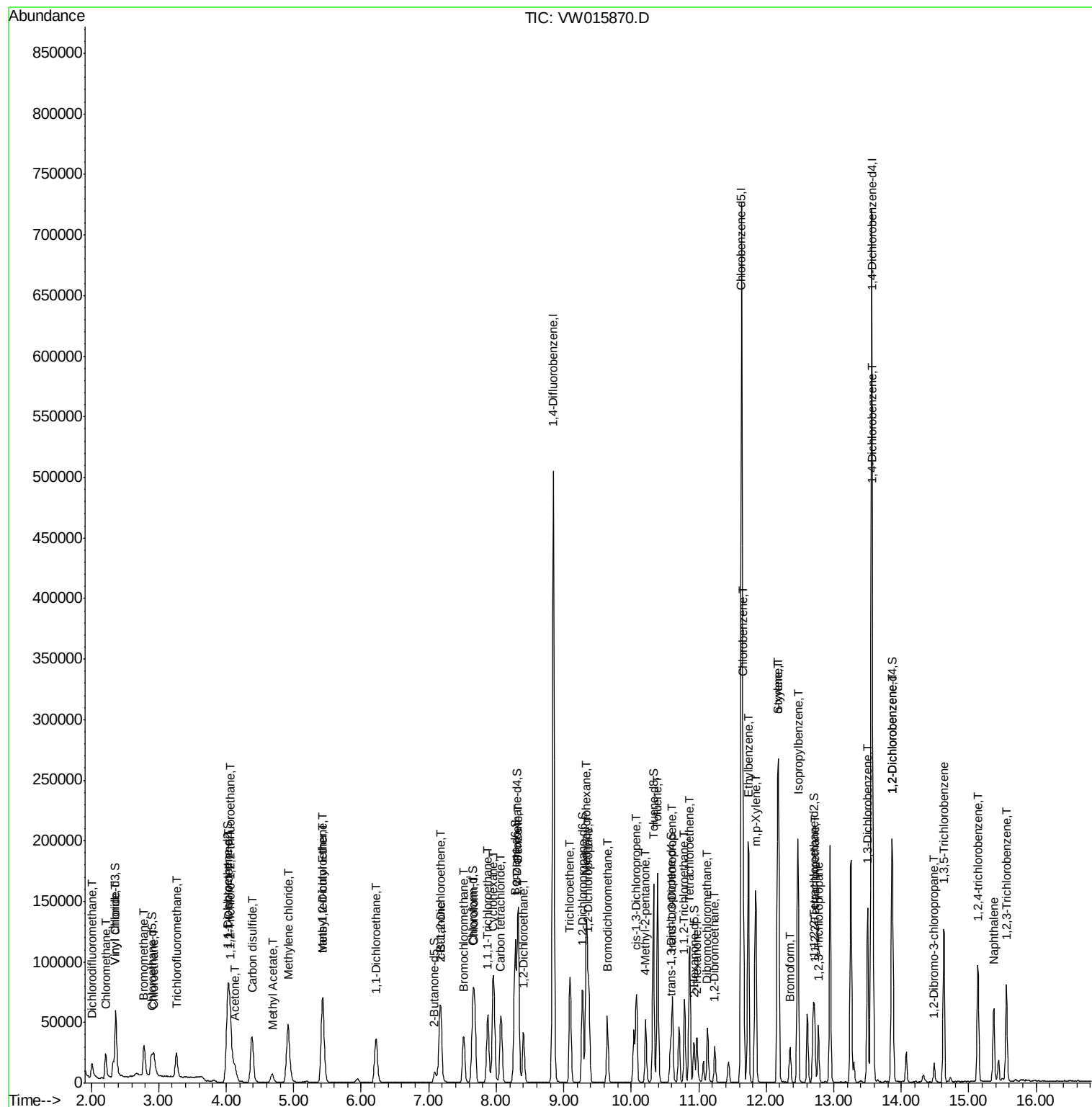
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	122819	5.230	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	36442	5.388	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	21183	5.464	ug/L	98
47) Tetrachloroethene	10.87	164	25008	5.452	ug/L	98
49) 2-Hexanone	10.97	43	24285	13.652	ug/L	97
50) Dibromochloromethane	11.13	129	23400	5.101	ug/L	100
51) 1,2-Dibromoethane	11.24	107	20588	5.629	ug/L	98
52) Chlorobenzene	11.66	112	79606	5.184	ug/L	99
53) Ethylbenzene	11.73	91	136444	5.150	ug/L	97
54) m,p-Xylene	11.84	106	49859	4.933	ug/L	97
55) o-xylene	12.17	106	46460	4.862	ug/L	98
56) Styrene	12.18	104	79174	4.901	ug/L	97
57) Isopropylbenzene	12.47	105	127485	4.849	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	25103	5.666	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	19229	5.902	ug/L	98
62) Bromoform	12.35	173	12638	5.313	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	56555	5.201	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	58325	5.290	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	51939	5.212	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3762	5.883	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	39461	5.365	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	28660	4.969	ug/L	98
69) Naphthalene	15.37	128	52283	5.062	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	26038	5.028	ug/L	96

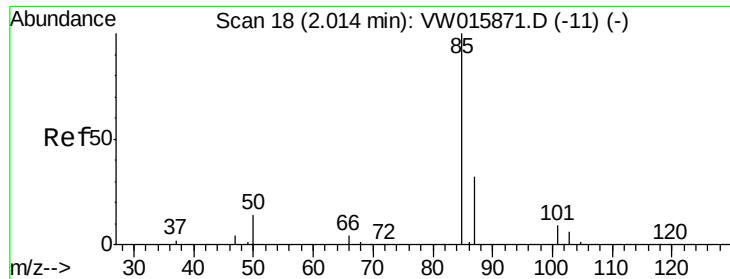
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.165 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

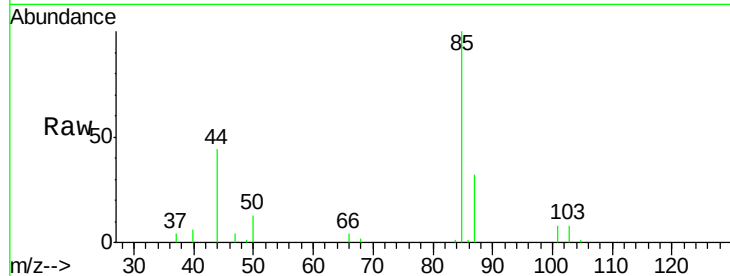
VSTD00501

Tgt Ion: 85 Resp: 18231

Ion Ratio Lower Upper

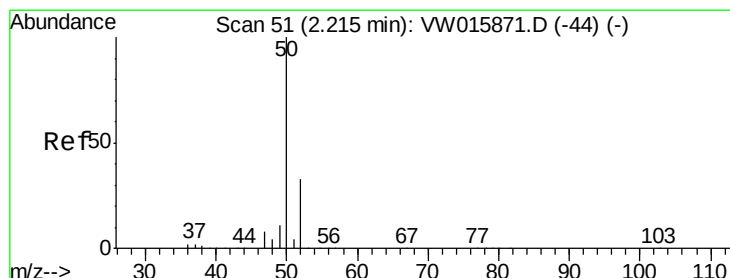
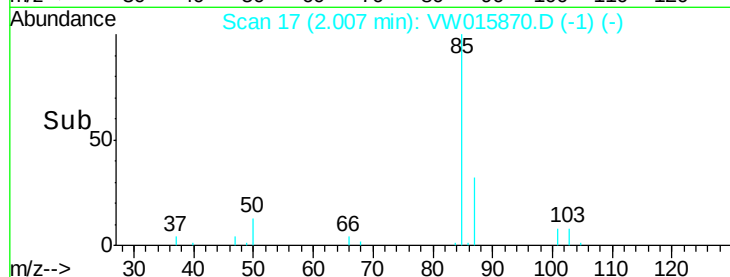
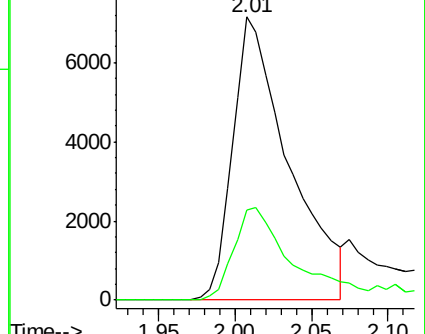
85 100

87 34.2 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: 4.727 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015870.D

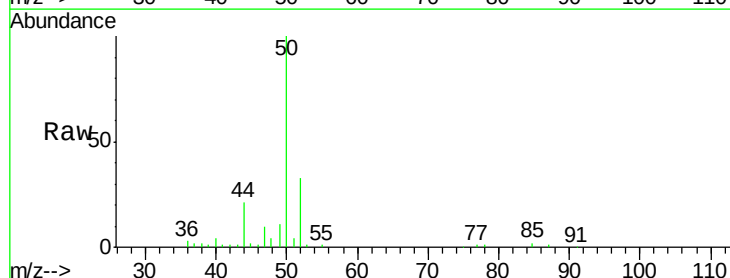
Acq: 20 Jul 2020 11:46

Tgt Ion: 50 Resp: 20906

Ion Ratio Lower Upper

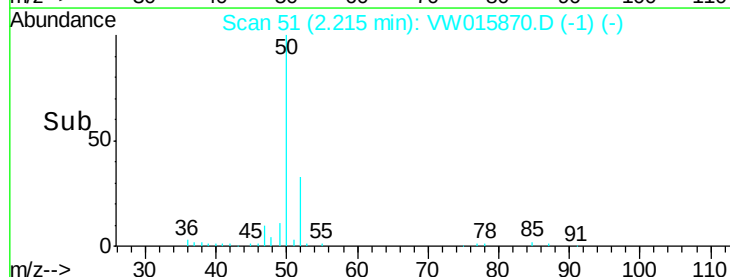
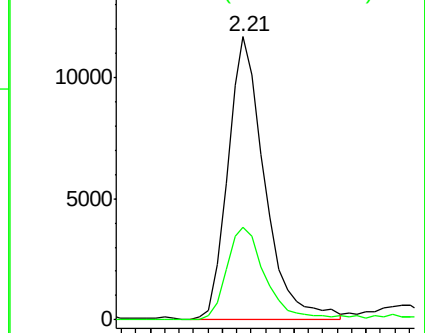
50 100

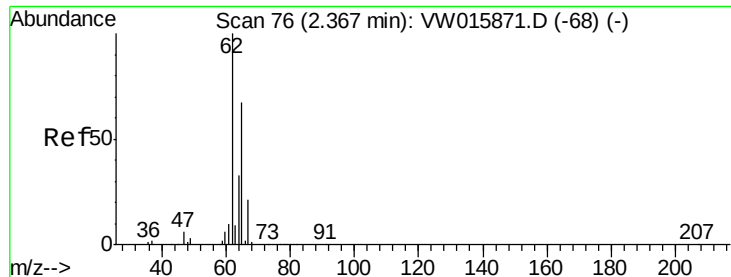
52 32.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.871 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

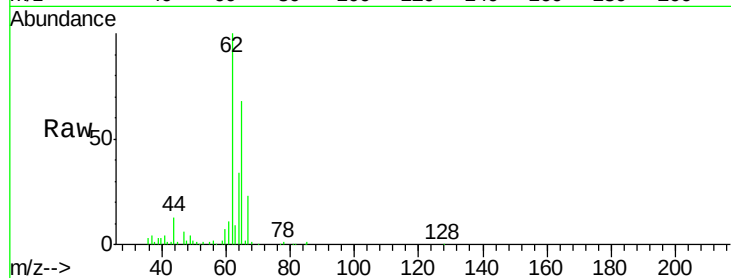
VSTD00501

Tgt Ion: 62 Resp: 36706

Ion Ratio Lower Upper

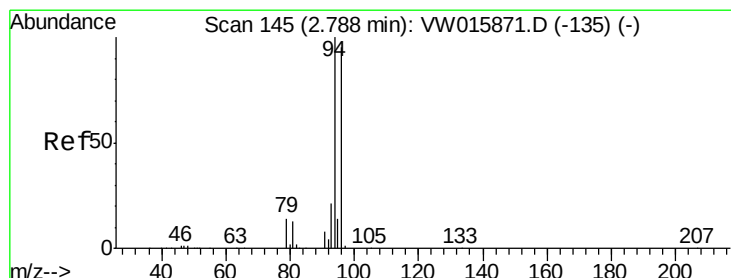
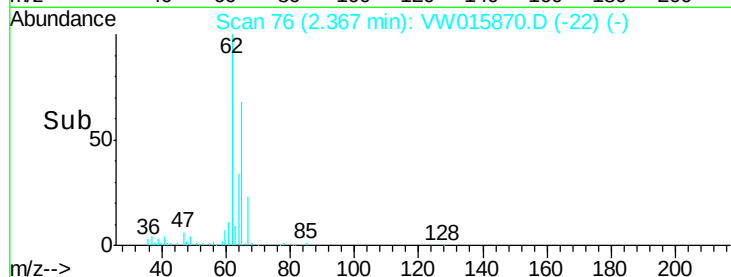
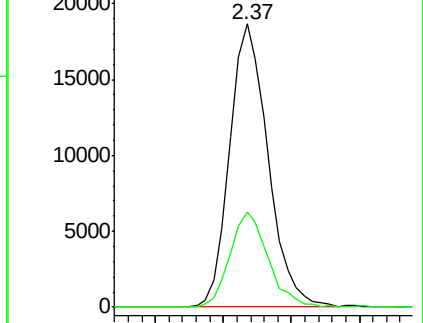
62 100

64 33.6 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 3.328 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015870.D

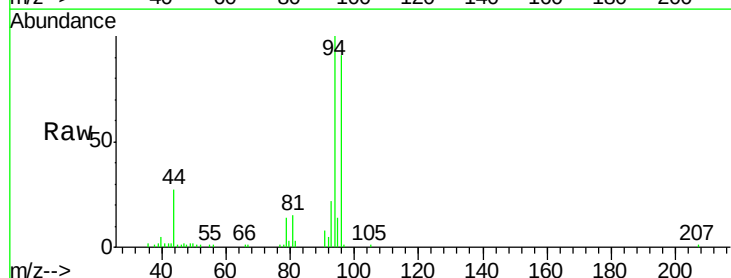
Acq: 20 Jul 2020 11:46

Tgt Ion: 94 Resp: 21335

Ion Ratio Lower Upper

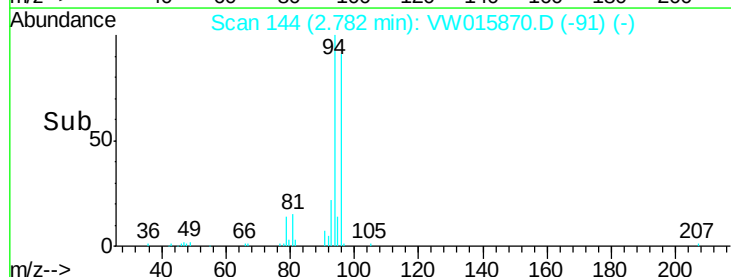
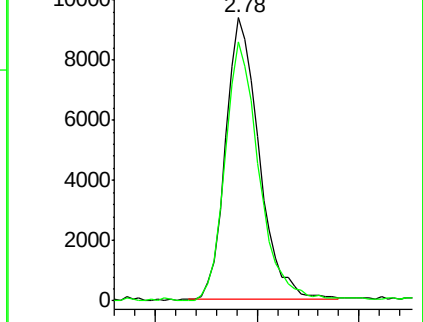
94 100

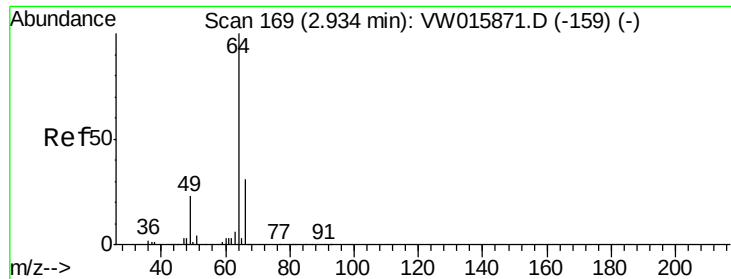
96 92.4 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 3.839 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

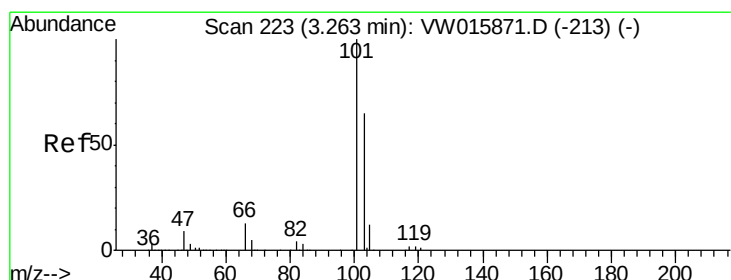
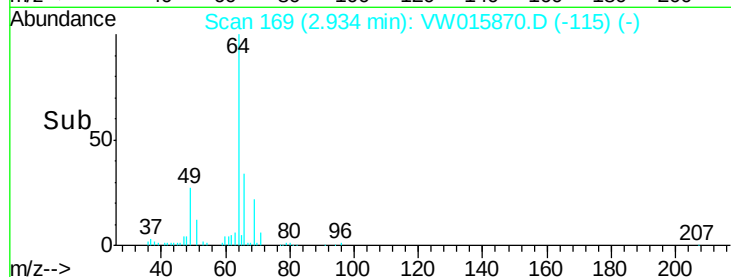
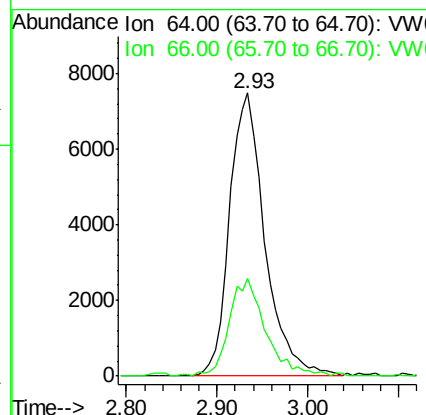
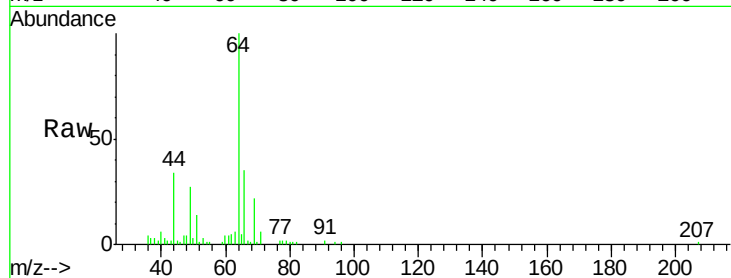
VSTD00501

Tgt Ion: 64 Resp: 20240

Ion Ratio Lower Upper

64 100

66 34.5 21.8 40.4



#9

Trichlorofluoromethane

Concen: 3.268 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015870.D

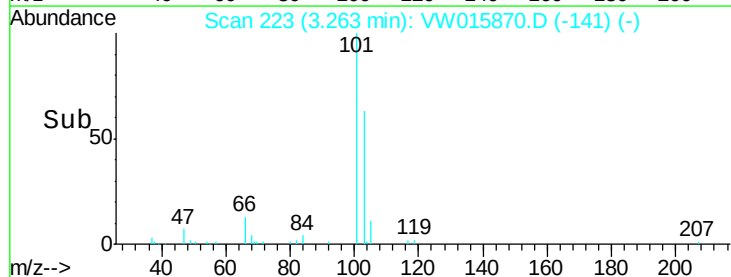
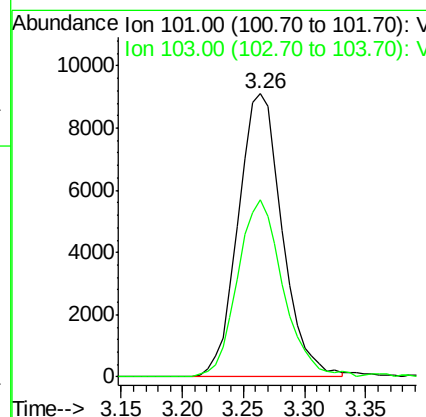
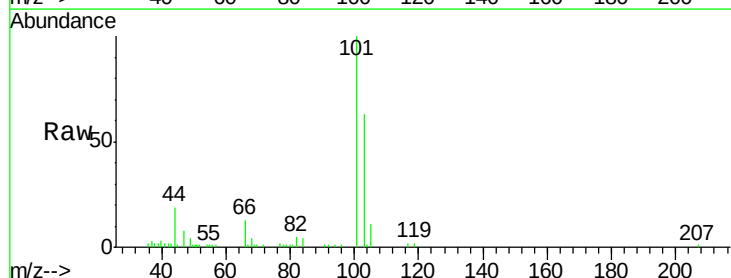
Acq: 20 Jul 2020 11:46

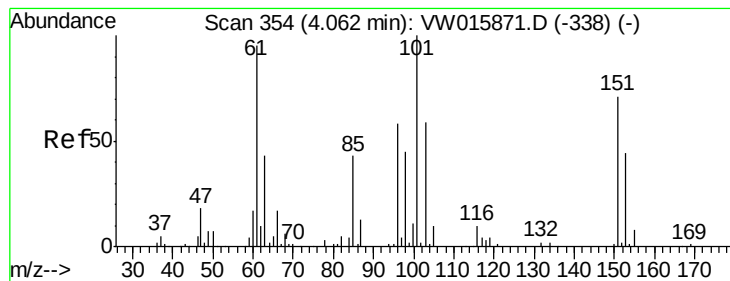
Tgt Ion: 101 Resp: 22809

Ion Ratio Lower Upper

101 100

103 63.9 45.8 85.2





#11

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

Concen: 5.854 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

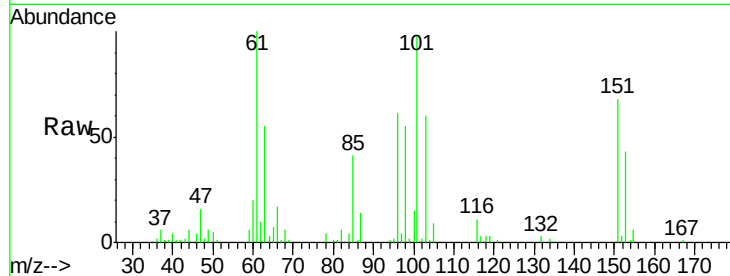
Tgt Ion: 101 Resp: 28071

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

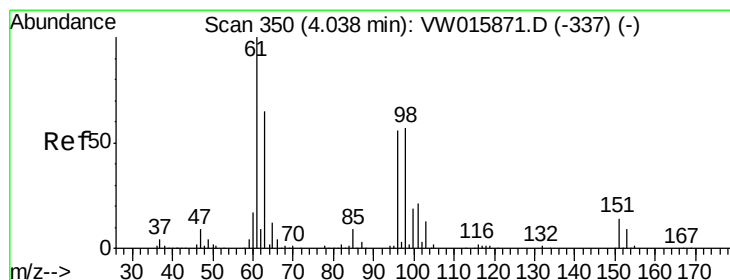
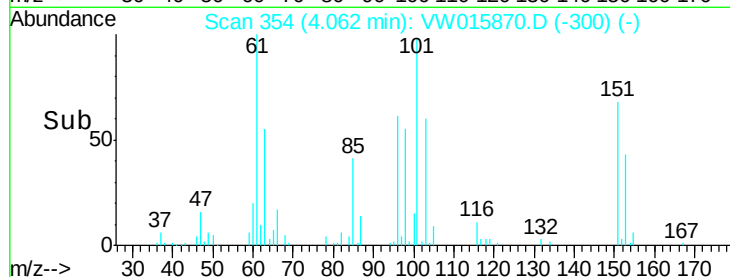
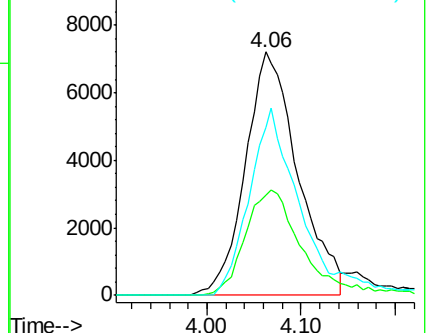
151 68.8 58.4 87.6



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: 6.097 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

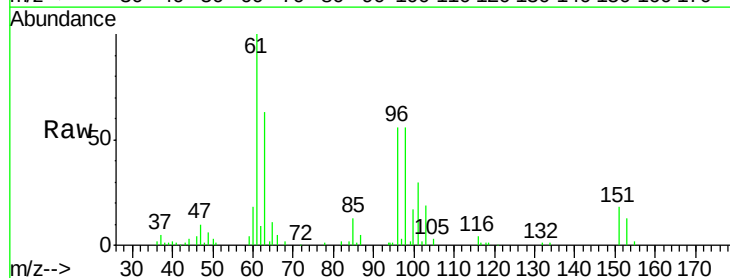
Tgt Ion: 96 Resp: 27701

Ion Ratio Lower Upper

96 100

61 178.3 125.0 232.2

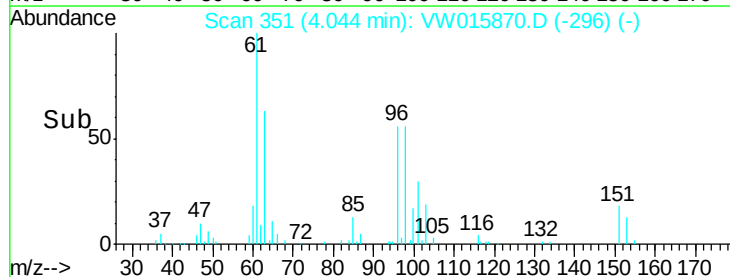
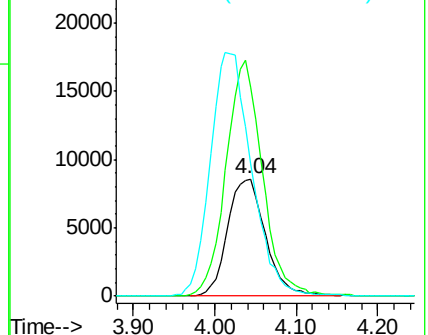
63 113.0 82.3 152.8

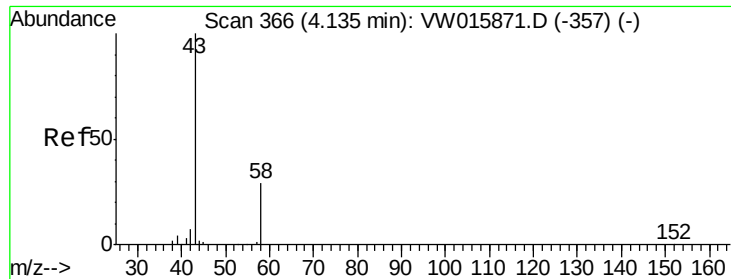


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 15.210 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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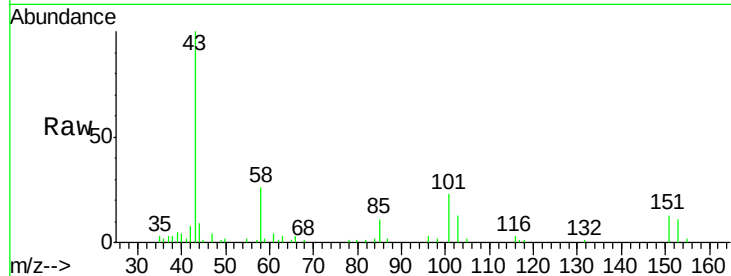
VSTD00501

Tgt Ion: 43 Resp: 13990

Ion Ratio Lower Upper

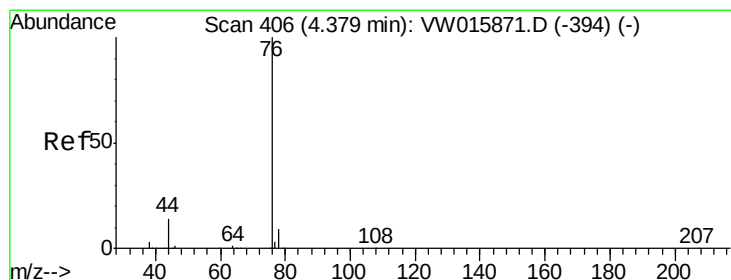
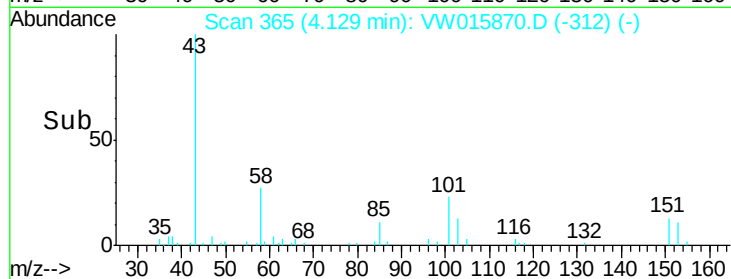
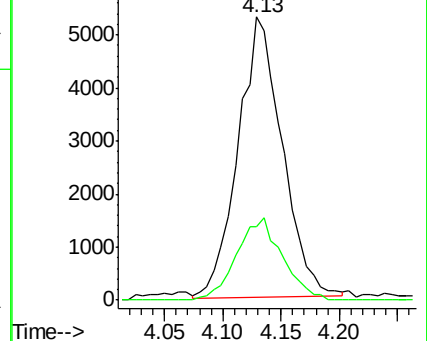
43 100

58 30.2 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.880 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015870.D

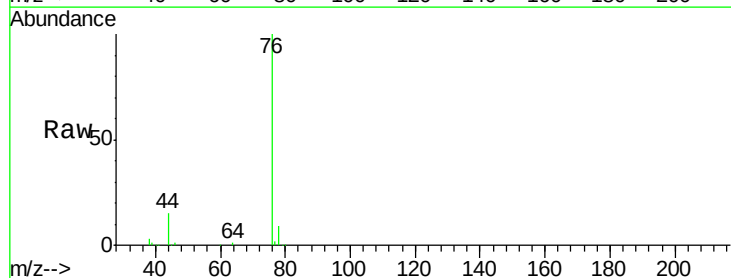
Acq: 20 Jul 2020 11:46

Tgt Ion: 76 Resp: 86847

Ion Ratio Lower Upper

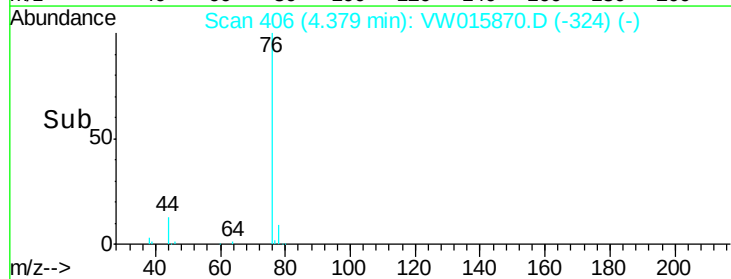
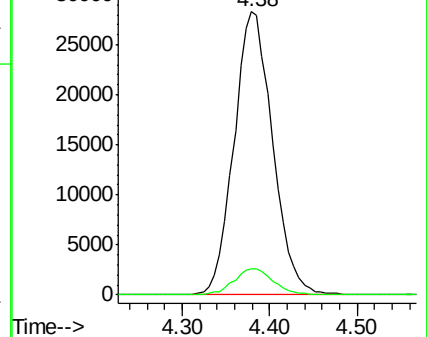
76 100

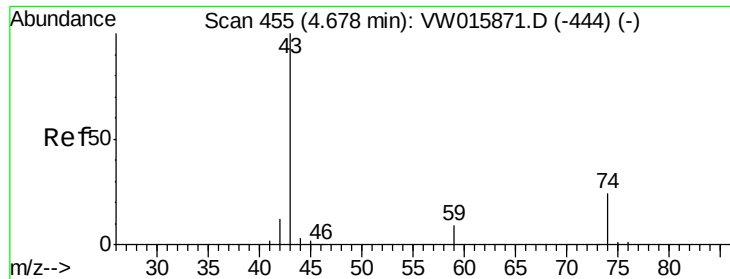
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

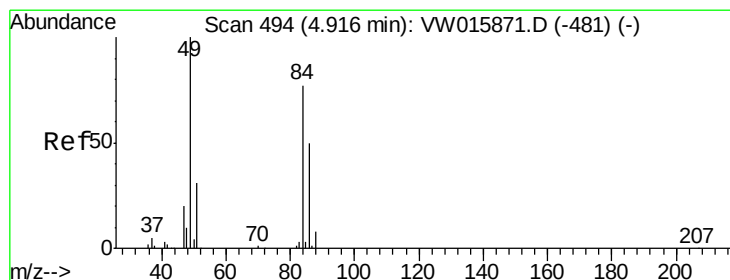
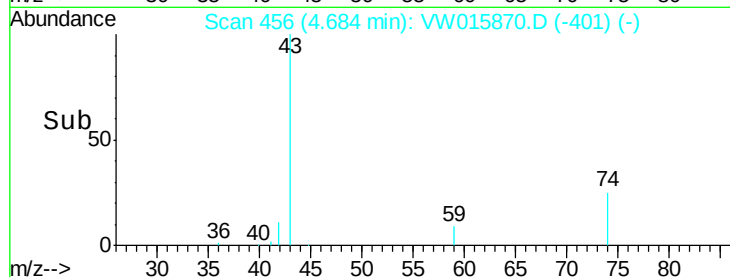
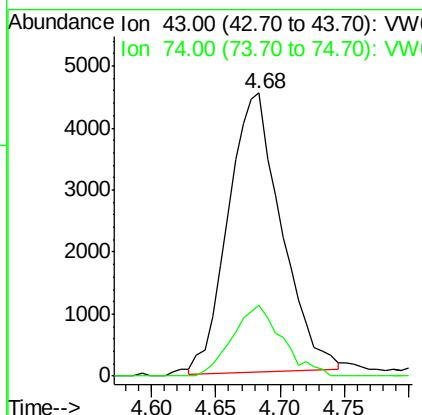
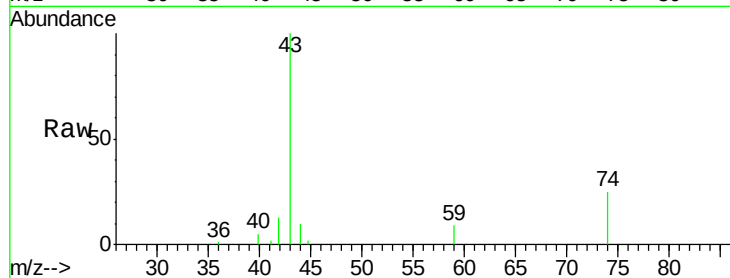




#15
Methyl Acetate
Concen: 7.015 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

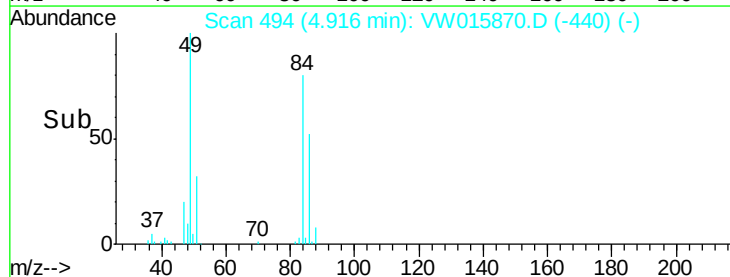
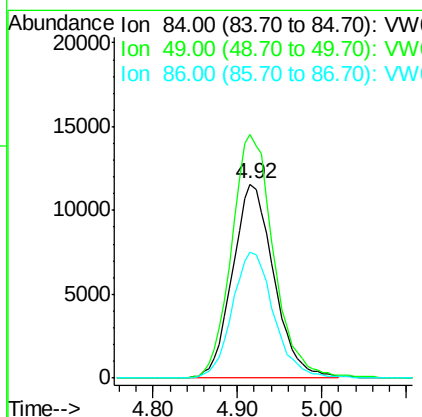
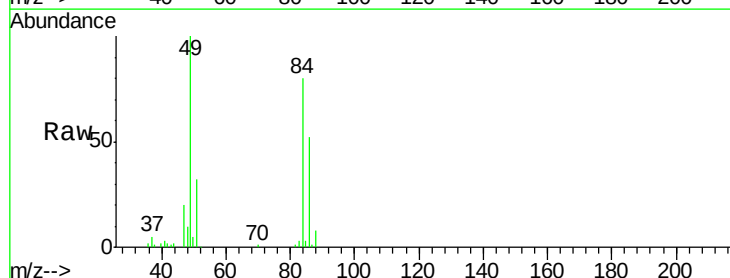
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

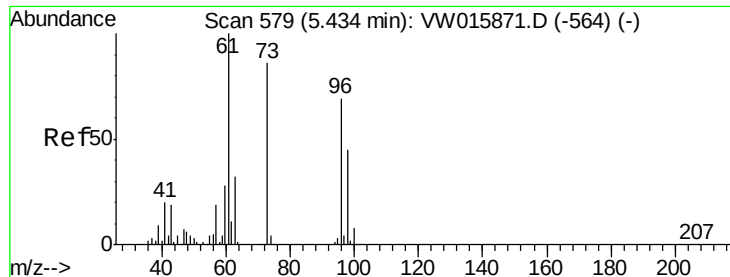
Tgt Ion: 43 Resp: 12949
Ion Ratio Lower Upper
43 100
74 22.2 18.2 27.2



#16
Methylene chloride
Concen: 6.851 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Tgt Ion: 84 Resp: 38588
Ion Ratio Lower Upper
84 100
49 125.5 91.1 169.1
86 64.9 46.0 85.4

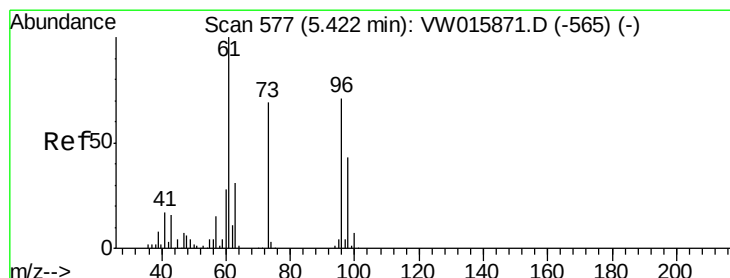
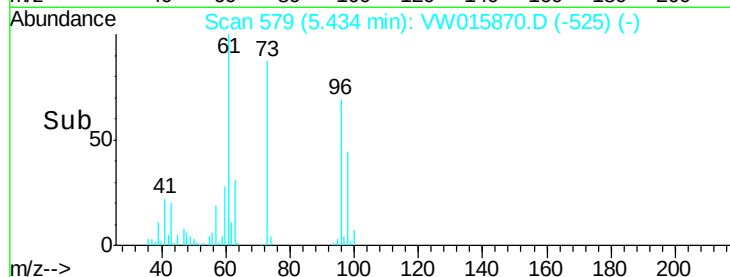
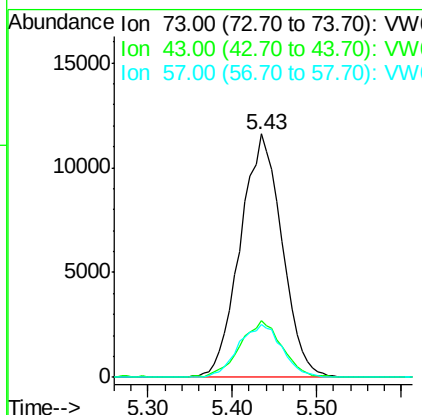
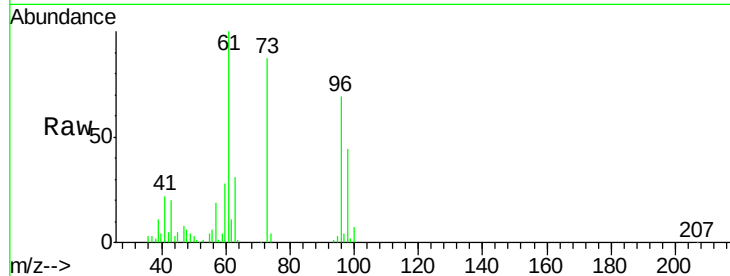




#17
Methyl tert-butyl Ether
Concen: 5.772 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

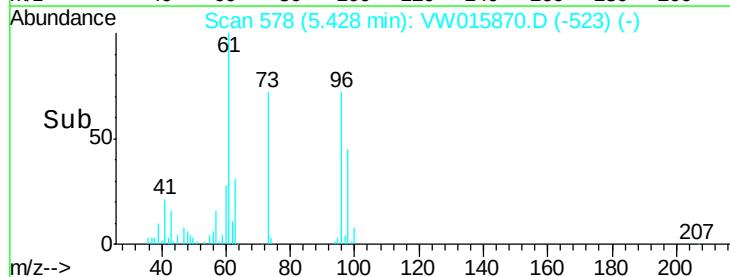
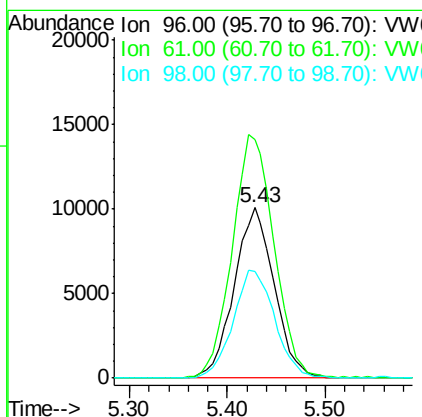
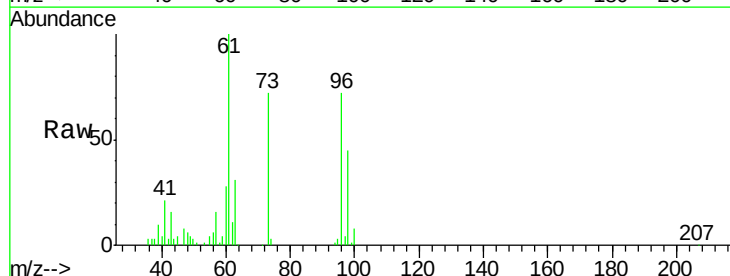
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

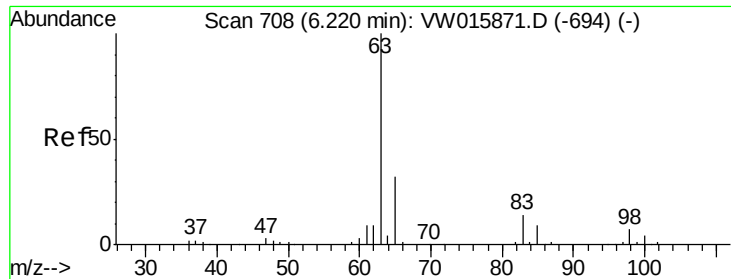
Tgt Ion: 73 Resp: 39182
Ion Ratio Lower Upper
73 100
43 23.2 18.4 27.6
57 22.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.366 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Tgt Ion: 96 Resp: 28772
Ion Ratio Lower Upper
96 100
61 139.6 99.3 184.5
98 62.8 42.9 79.7

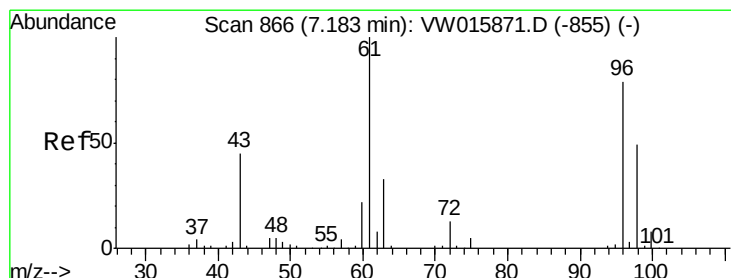
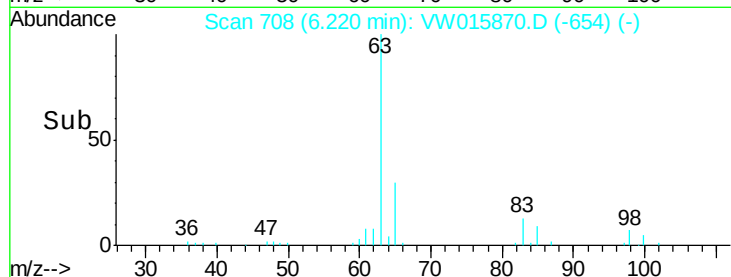
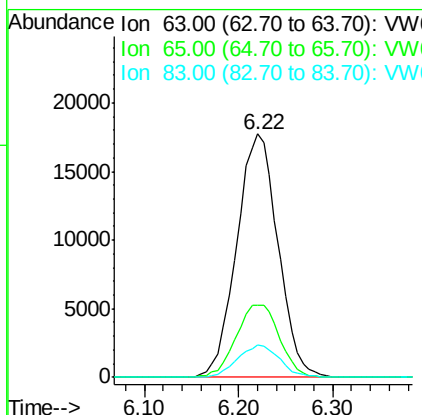
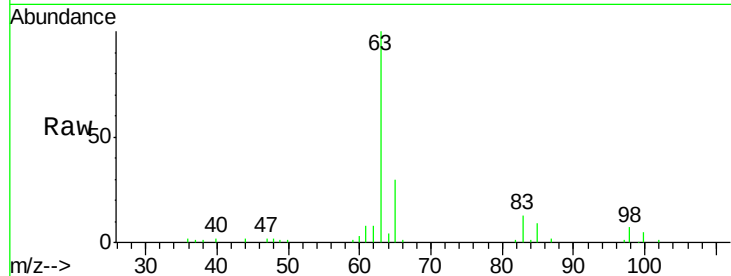




#19
 1,1-Dichloroethane
 Concen: 5.758 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

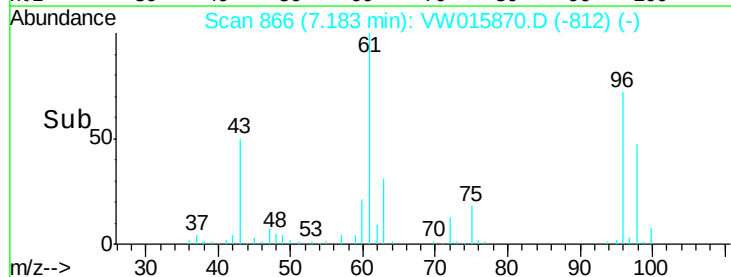
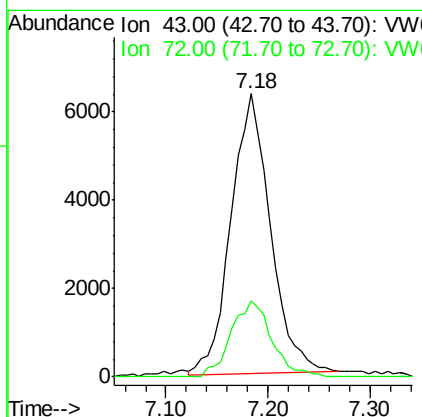
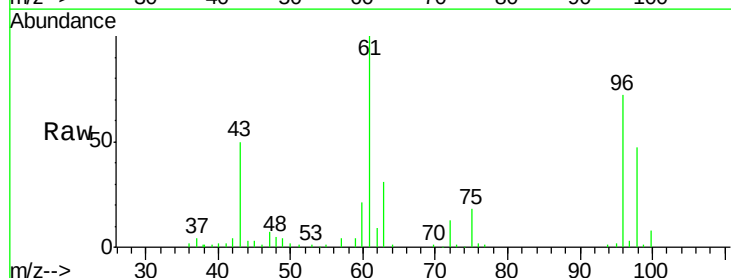
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

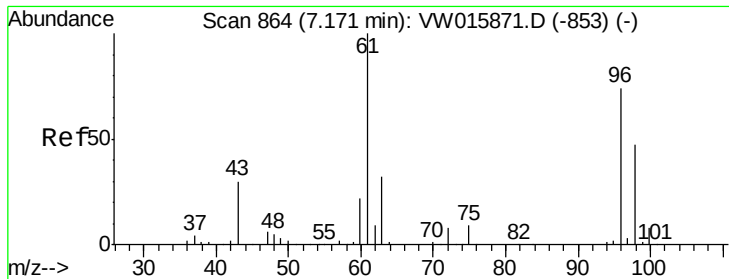
Tgt Ion: 63 Resp: 54335
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.2 41.2
 83 13.4 9.8 18.2



#21
 2-Butanone
 Concen: 13.921 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

Tgt Ion: 43 Resp: 17007
 Ion Ratio Lower Upper
 43 100
 72 27.8 13.9 41.7

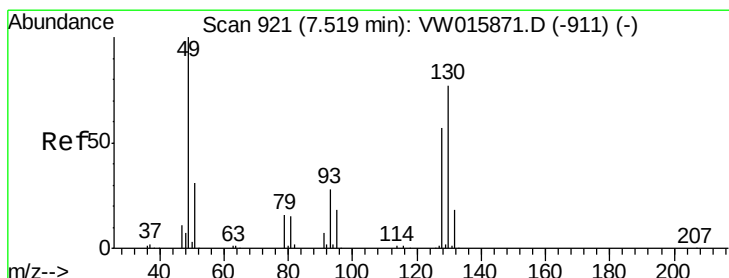
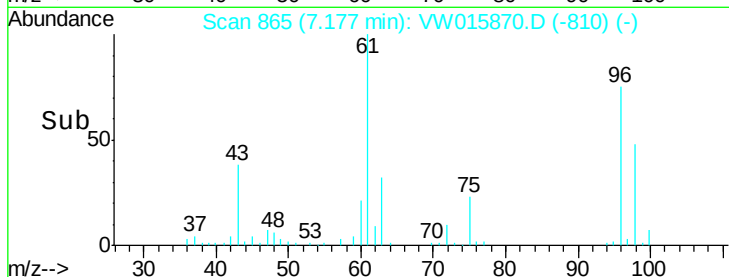
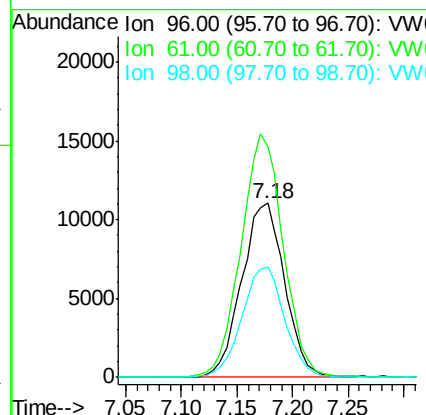
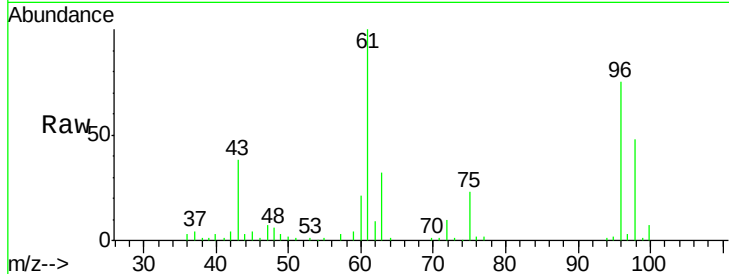




#22
 cis-1,2-Dichloroethene
 Concen: 5.260 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

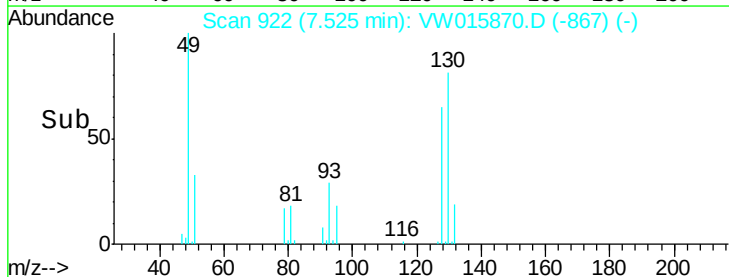
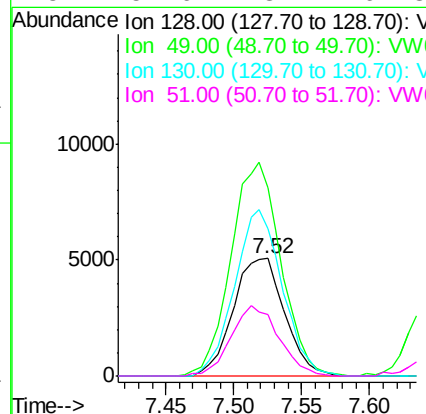
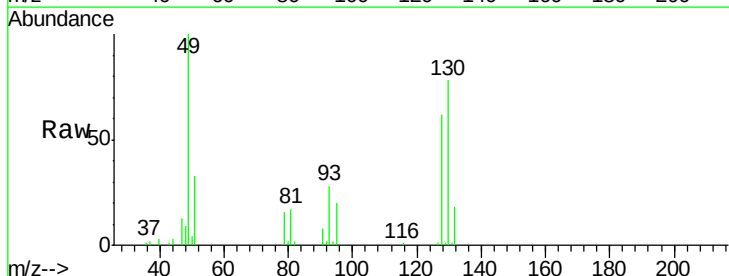
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00501

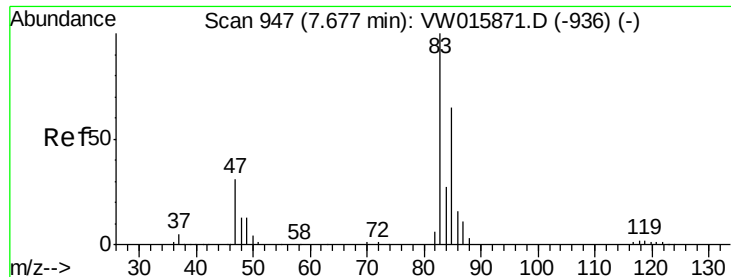
Tgt Ion: 96 Resp: 29685
 Ion Ratio Lower Upper
 96 100
 61 133.0 94.6 175.8
 98 63.5 44.3 82.3



#23
 Bromochloromethane
 Concen: 5.328 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

Tgt Ion: 128 Resp: 13383
 Ion Ratio Lower Upper
 128 100
 49 160.7 122.4 227.2
 130 124.9 93.9 174.5
 51 52.6 43.2 64.8

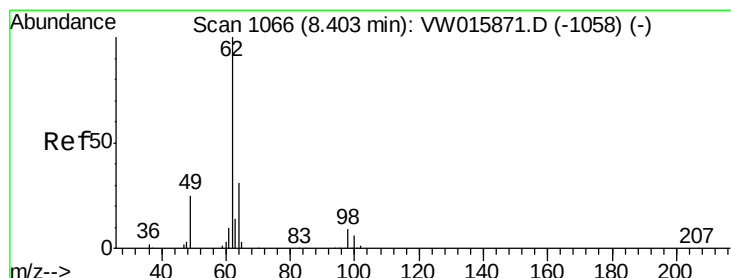
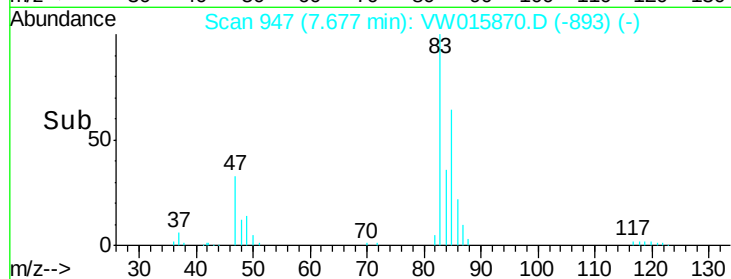
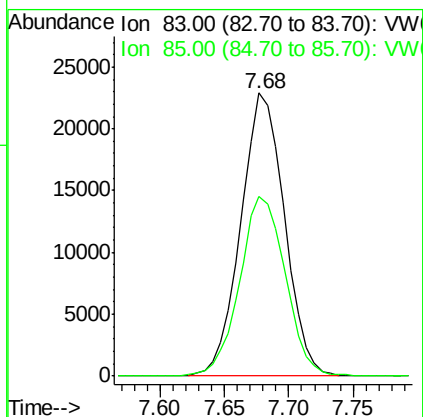
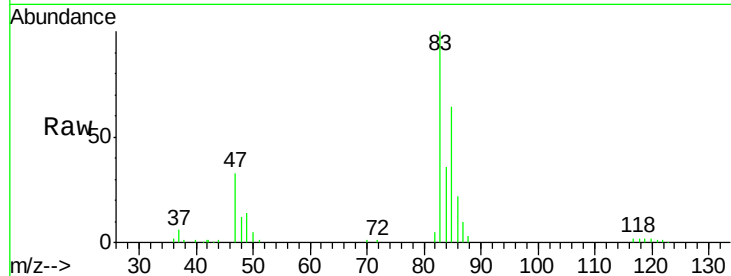




#25
Chloroform
Concen: 5.356 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

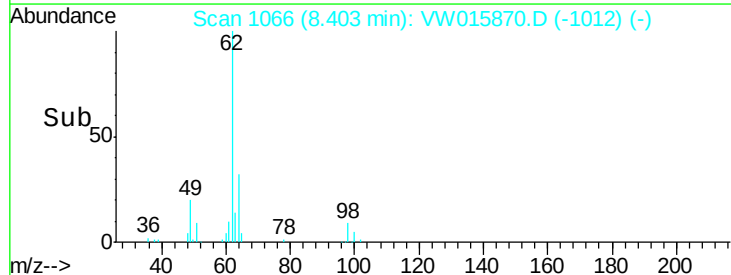
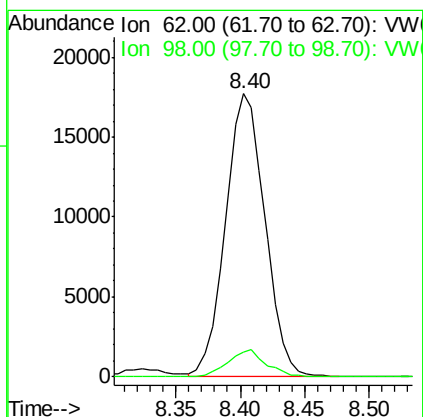
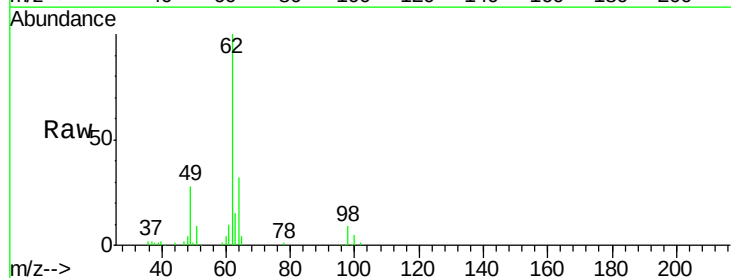
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

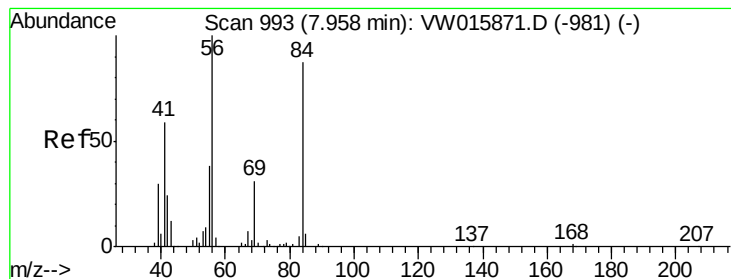
Tgt Ion: 83 Resp: 53848
Ion Ratio Lower Upper
83 100
85 66.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.731 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Tgt Ion: 62 Resp: 37804
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.6





#30

Cyclohexane

Concen: 5.921 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

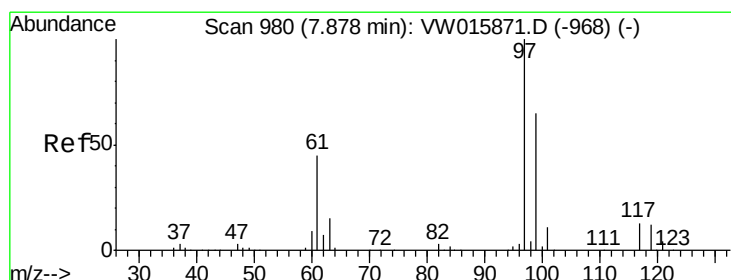
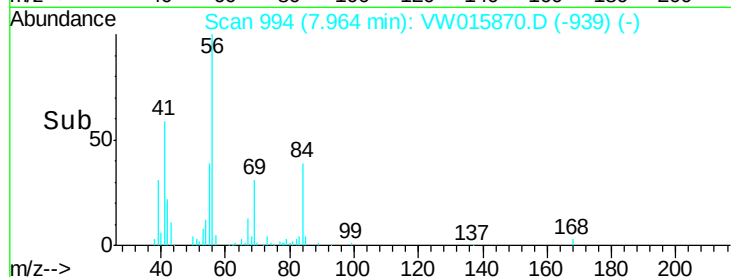
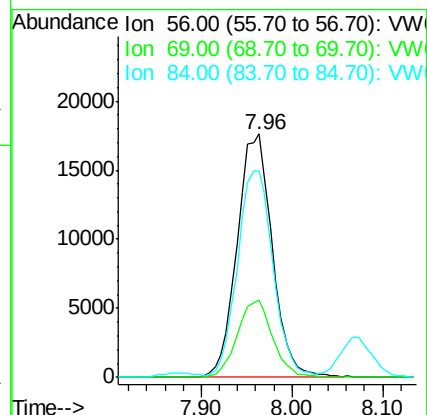
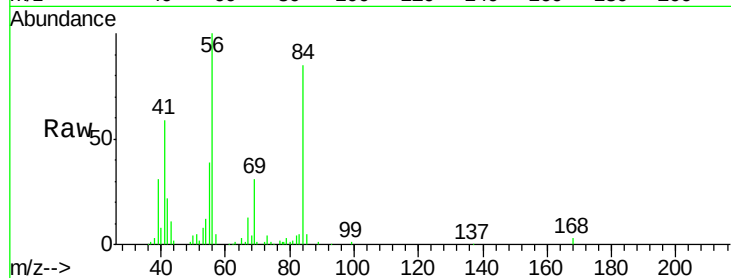
Tgt Ion: 56 Resp: 47455

Ion Ratio Lower Upper

56 100

69 31.6 24.4 36.6

84 86.3 69.3 103.9



#31

1,1,1-Trichloroethane

Concen: 5.442 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

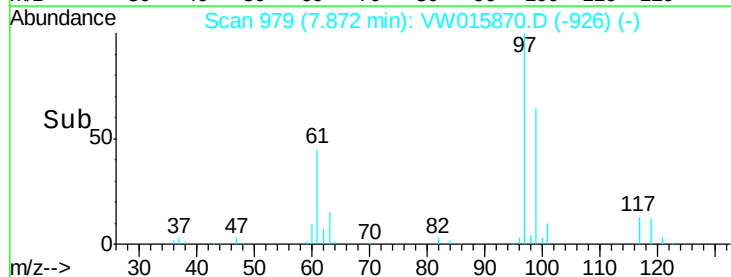
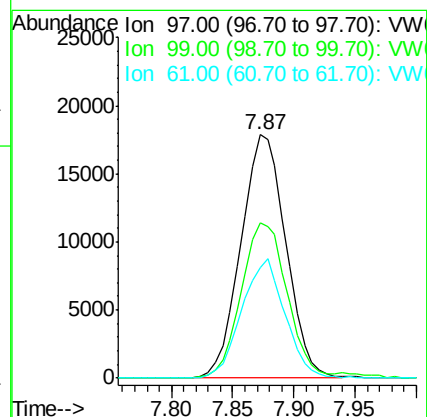
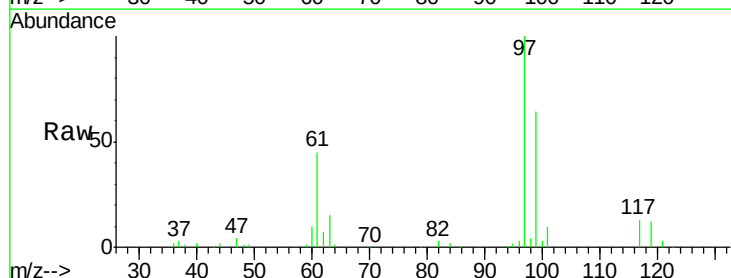
Tgt Ion: 97 Resp: 45696

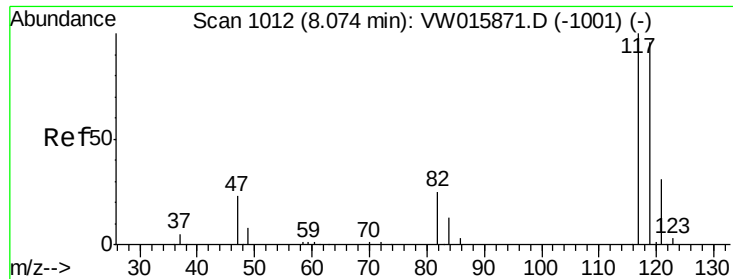
Ion Ratio Lower Upper

97 100

99 64.8 51.9 77.9

61 47.1 37.6 56.4





#32

Carbon tetrachloride

Concen: 5.280 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

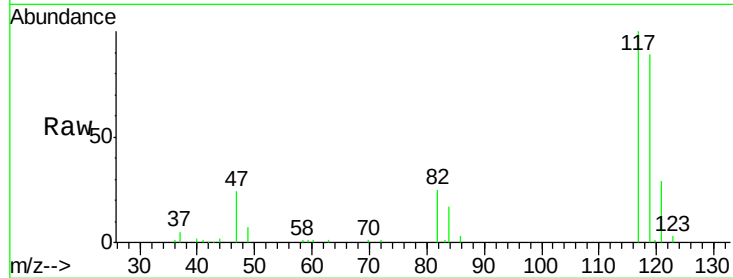
VSTD00501

Tgt Ion:117 Resp: 41140

Ion Ratio Lower Upper

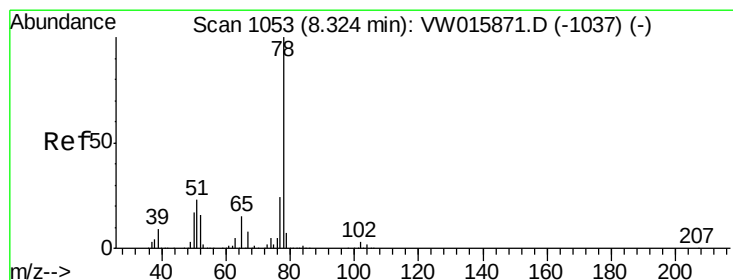
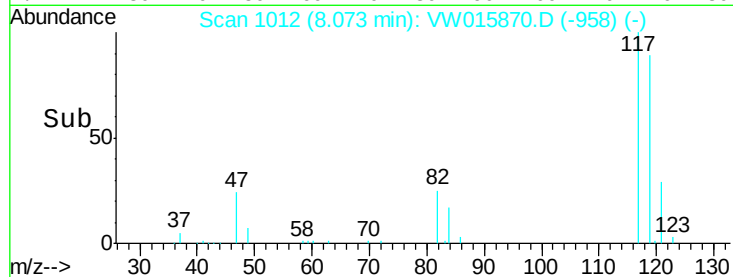
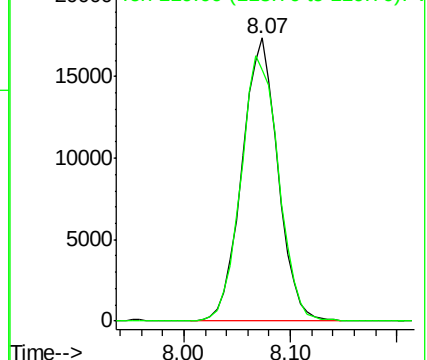
117 100

119 98.5 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: 5.621 ug/L

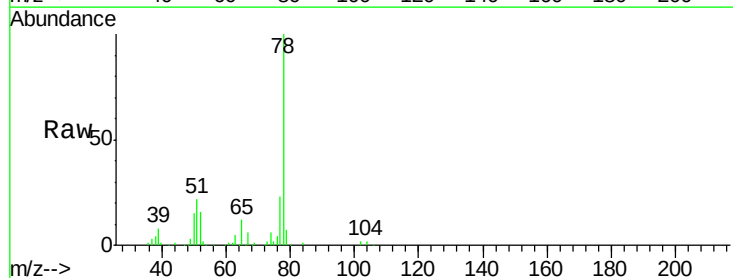
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

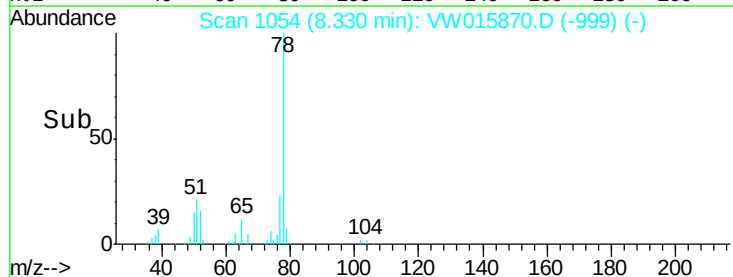
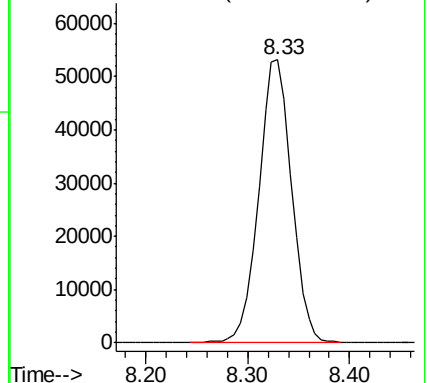
Lab File: VW015870.D

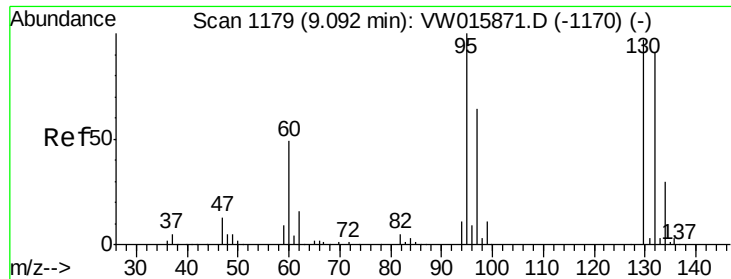
Acq: 20 Jul 2020 11:46

Tgt Ion: 78 Resp: 119434



Abundance Ion 78.00 (77.70 to 78.70): VW

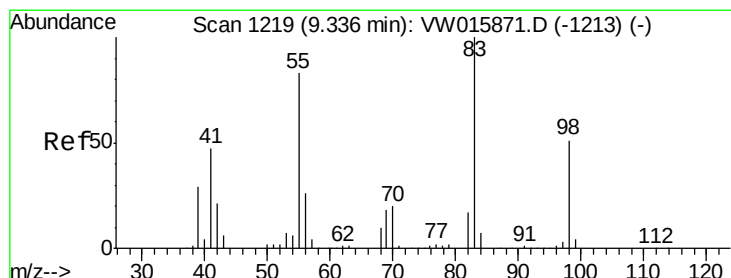
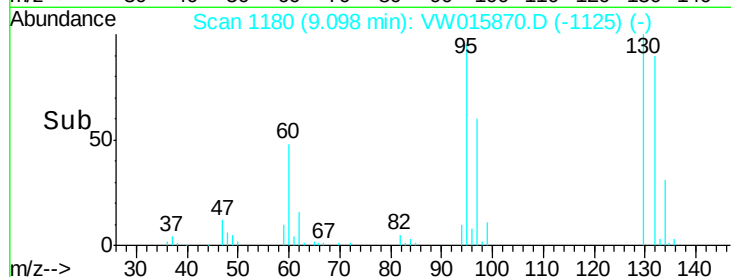
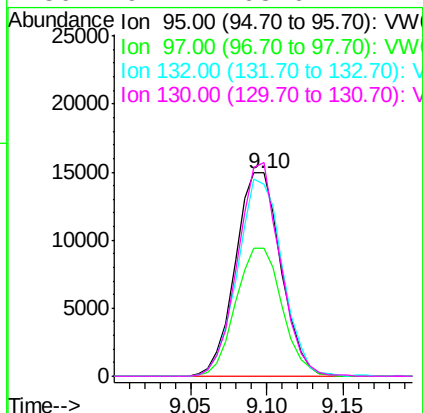
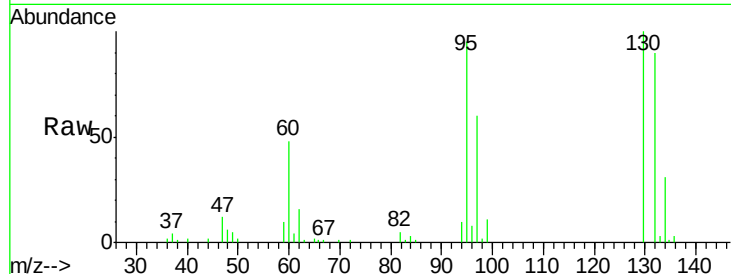




#35
 Trichloroethene
 Concen: 5.410 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

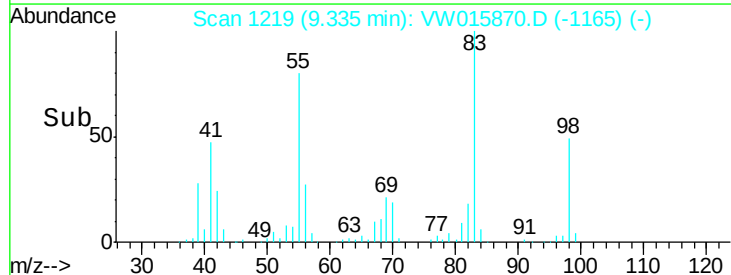
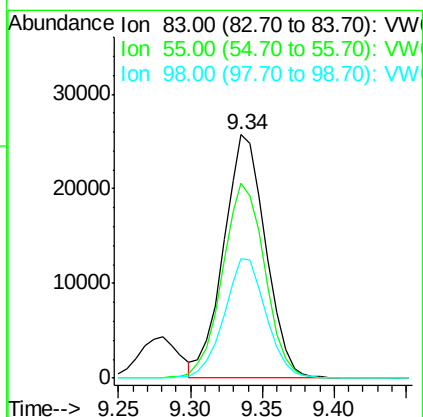
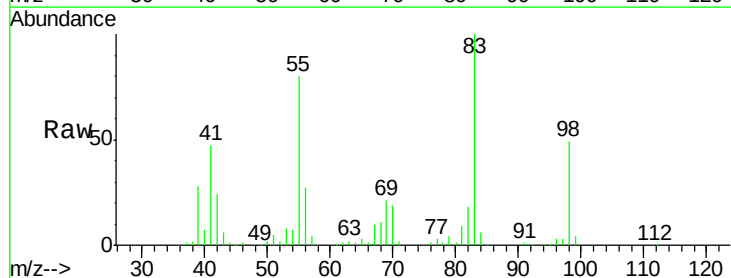
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

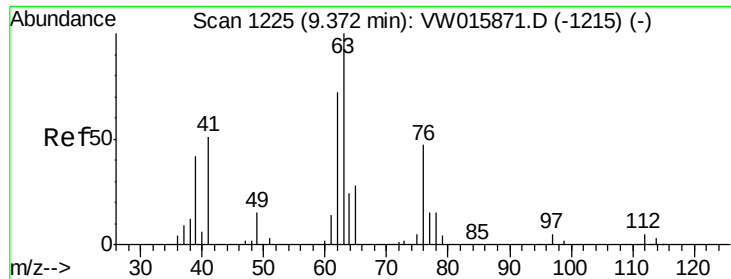
Tgt Ion: 95 Resp: 30985
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.4 82.4
 132 95.4 65.1 120.9
 130 97.7 68.6 127.4



#36
 Methylcyclohexane
 Concen: 5.343 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

Tgt Ion: 83 Resp: 52320
 Ion Ratio Lower Upper
 83 100
 55 80.7 63.5 95.3
 98 49.2 39.0 58.4

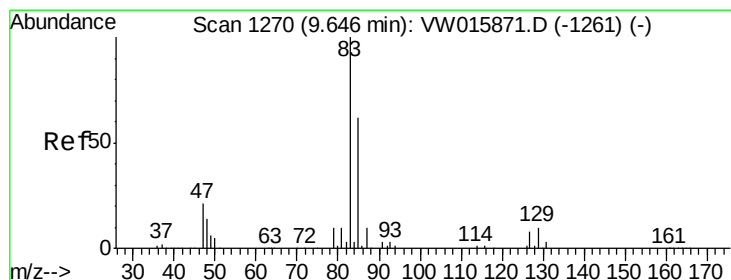
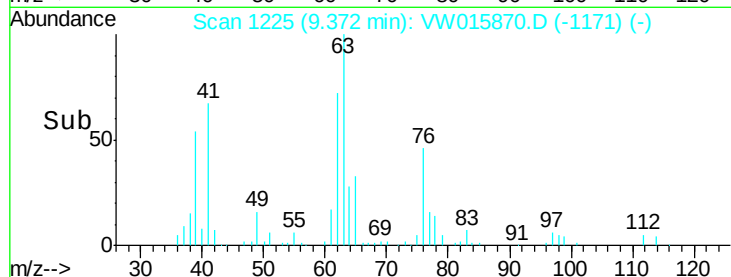
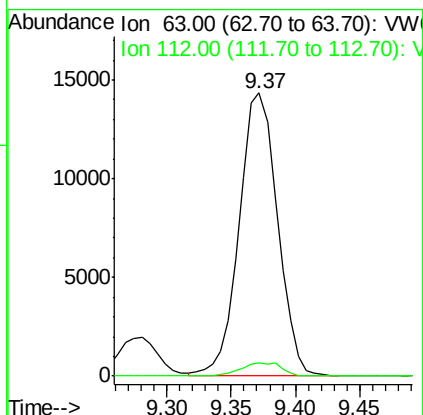
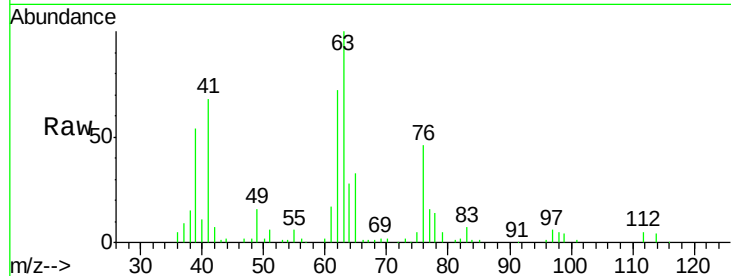




#40
 1,2-Dichloropropane
 Concen: 5.825 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

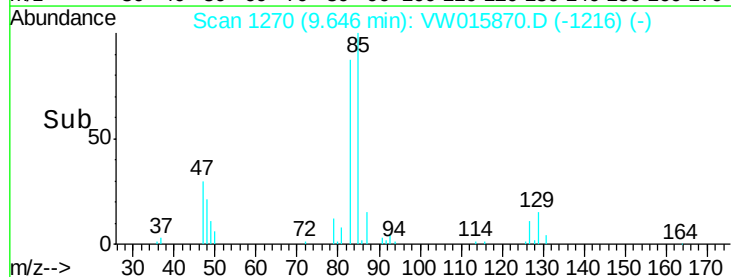
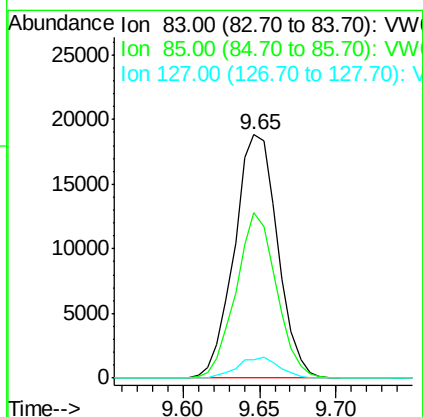
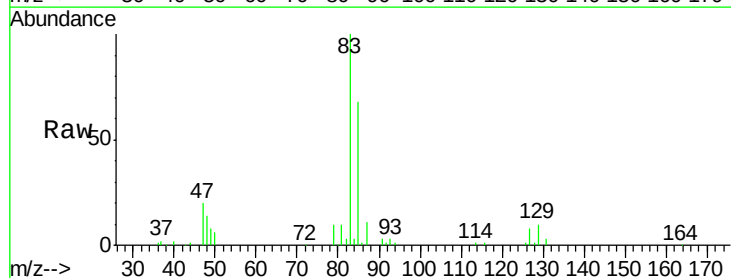
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

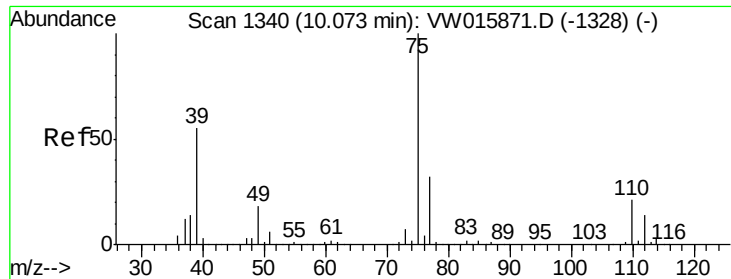
Tgt Ion: 63 Resp: 29619
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.7 5.5



#41
 Bromodichloromethane
 Concen: 5.406 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

Tgt Ion: 83 Resp: 37050
 Ion Ratio Lower Upper
 83 100
 85 67.9 43.7 81.1
 127 7.6 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 5.560 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampled :

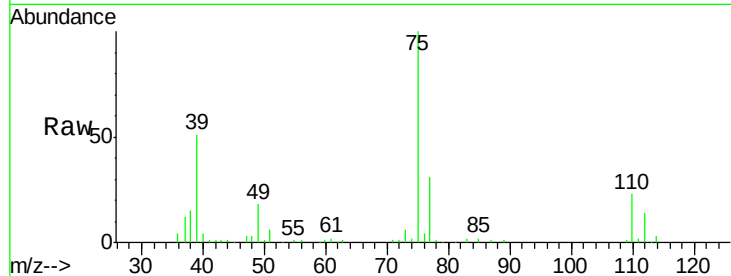
VSTD00501

Tgt Ion: 75 Resp: 42375

Ion Ratio Lower Upper

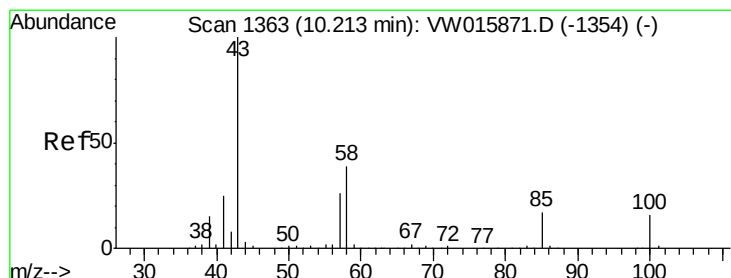
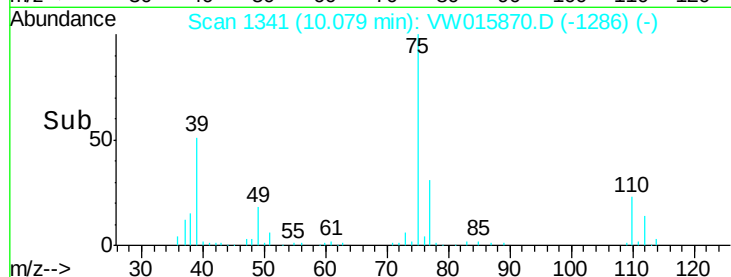
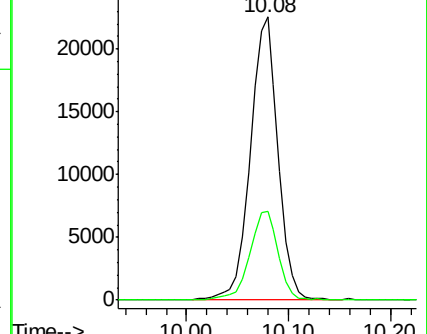
75 100

77 31.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 13.505 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

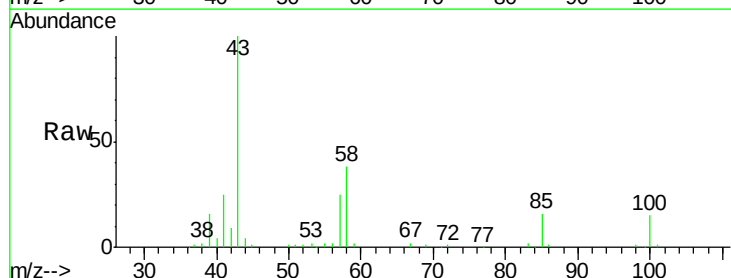
Tgt Ion: 43 Resp: 33770

Ion Ratio Lower Upper

43 100

58 37.4 31.0 46.4

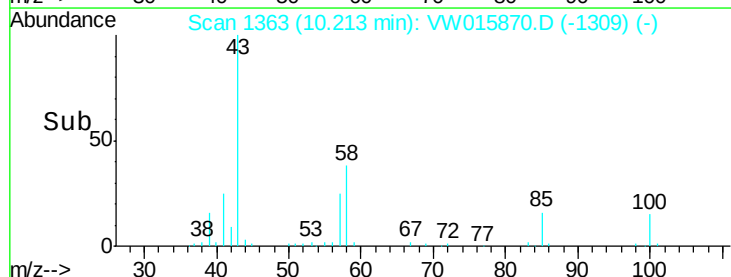
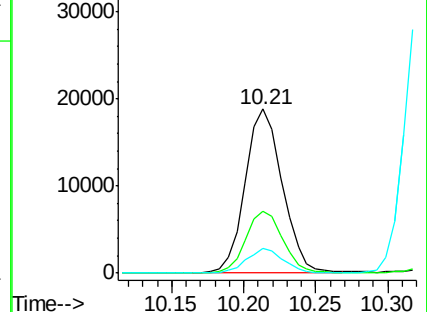
100 14.7 12.6 19.0

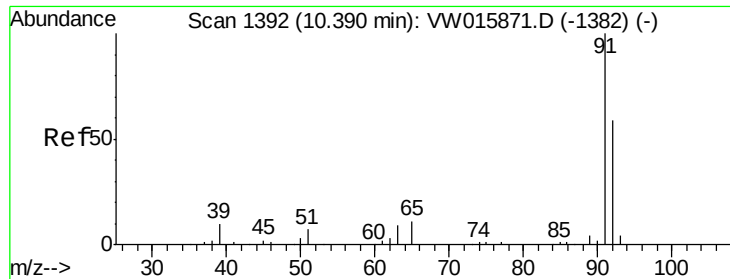


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 5.230 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

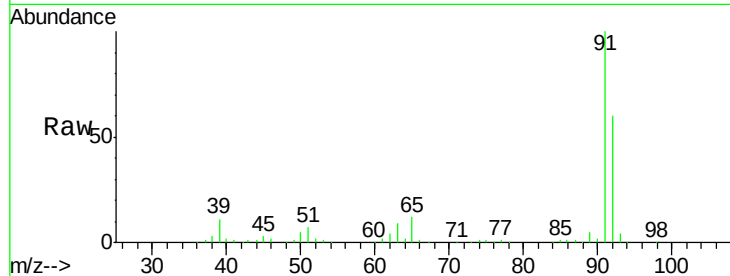
VSTD00501

Tgt Ion: 91 Resp: 122819

Ion Ratio Lower Upper

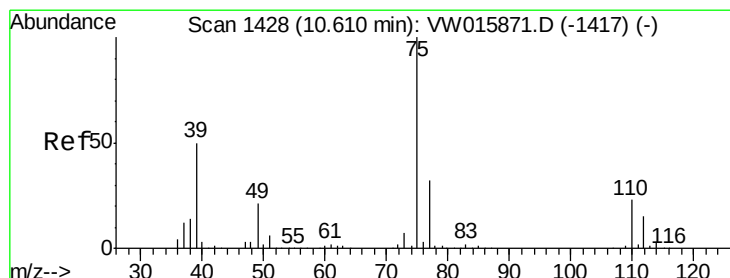
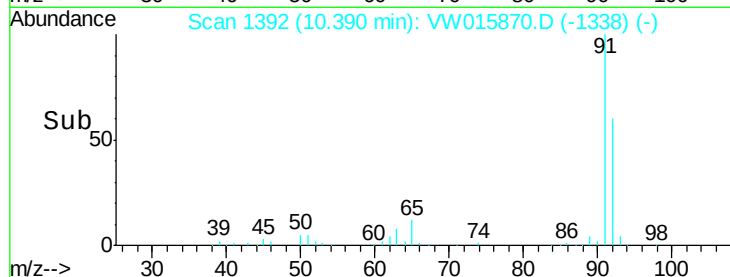
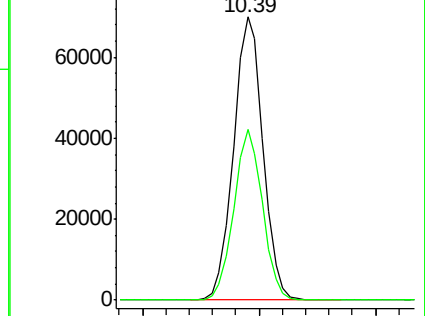
91 100

92 60.4 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 5.388 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015870.D

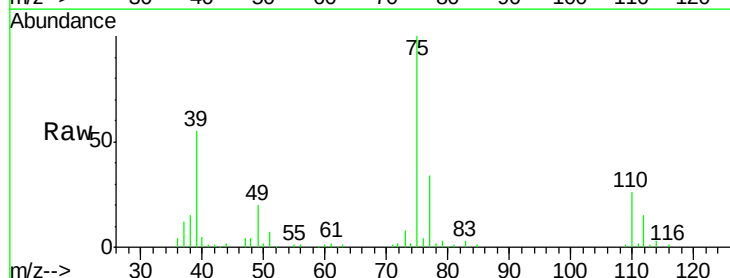
Acq: 20 Jul 2020 11:46

Tgt Ion: 75 Resp: 36442

Ion Ratio Lower Upper

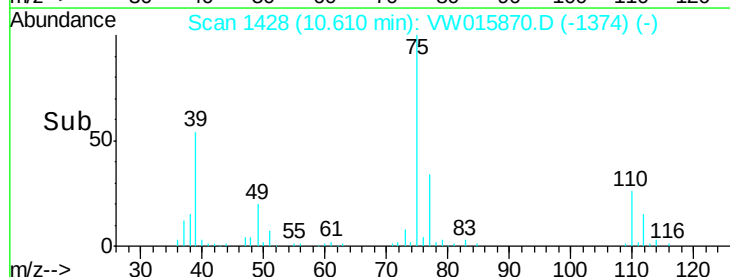
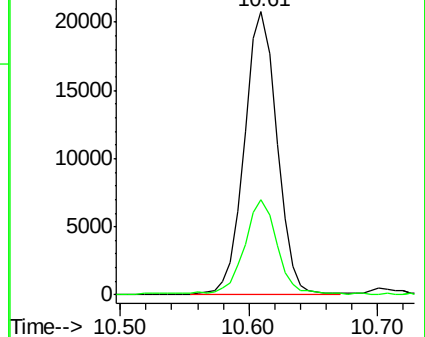
75 100

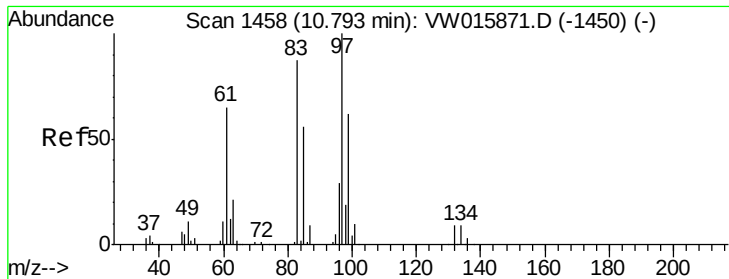
77 33.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 5.464 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

Tgt Ion: 97 Resp: 21183

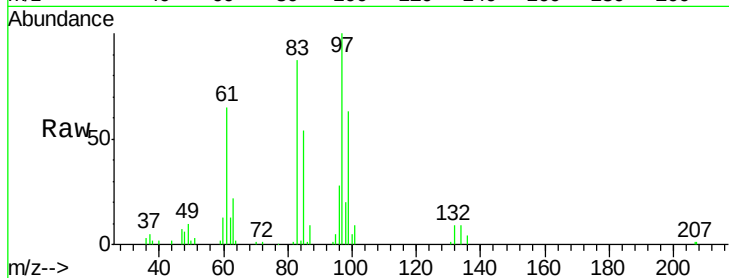
Ion Ratio Lower Upper

97 100

83 87.5 60.6 112.6

85 53.7 38.9 72.2

99 63.2 43.1 80.1

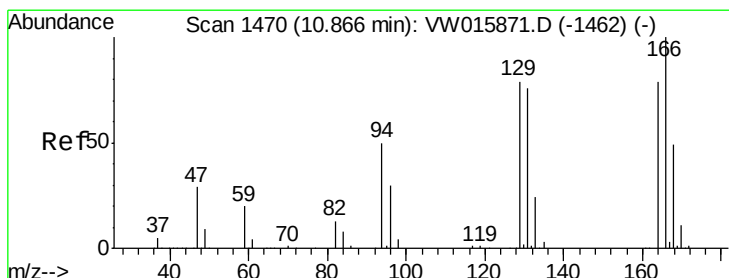
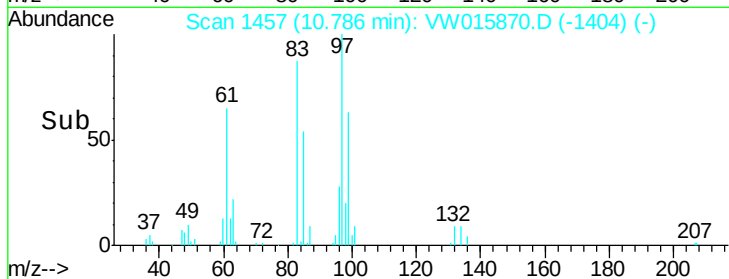
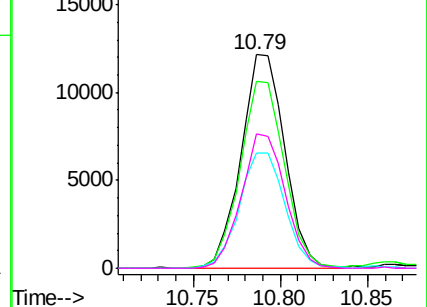


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.452 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Tgt Ion: 164 Resp: 25008

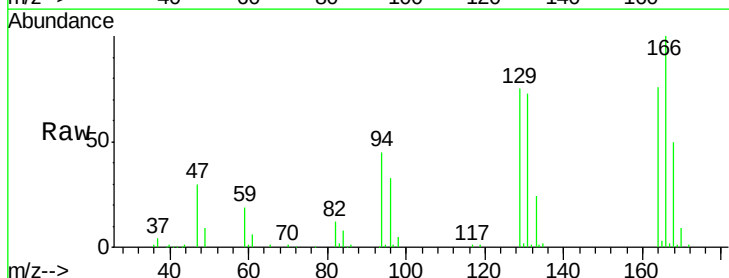
Ion Ratio Lower Upper

164 100

129 98.9 70.0 130.0

131 95.5 67.3 124.9

166 131.3 88.5 164.3

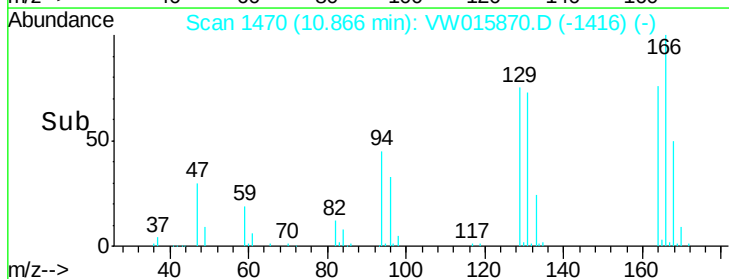
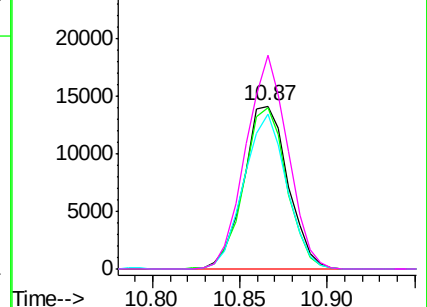


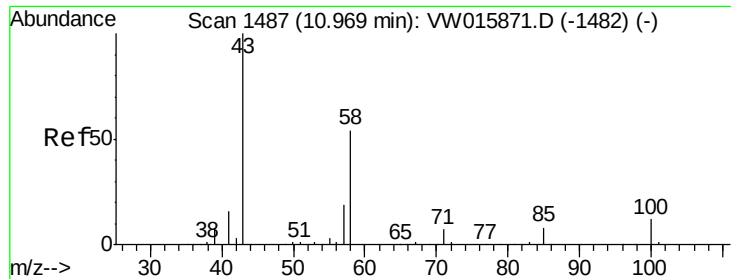
Abundance Ion 164.00 (163.70 to 164.70): V

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

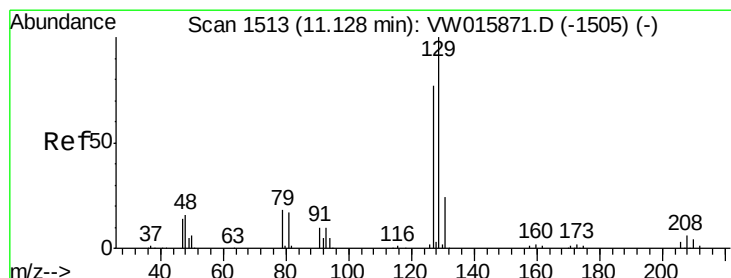
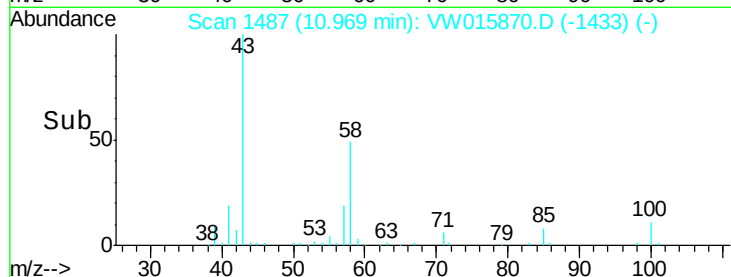
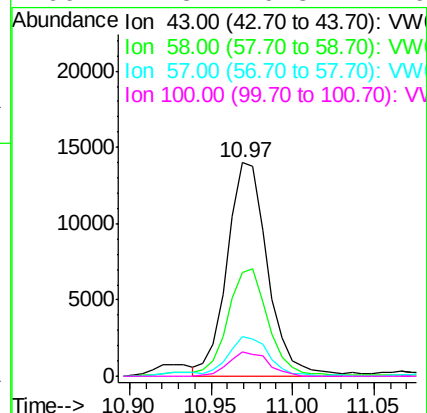
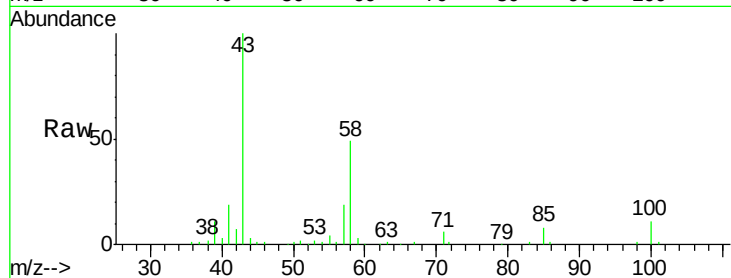




#49
2-Hexanone
Concen: 13.652 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

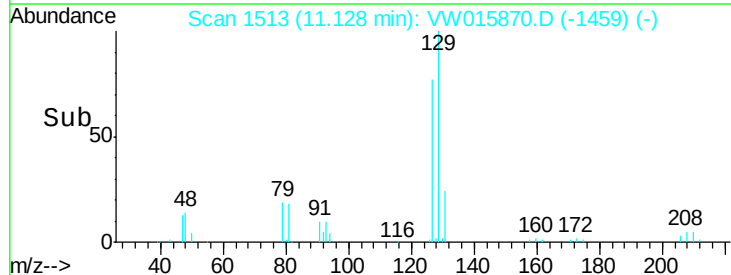
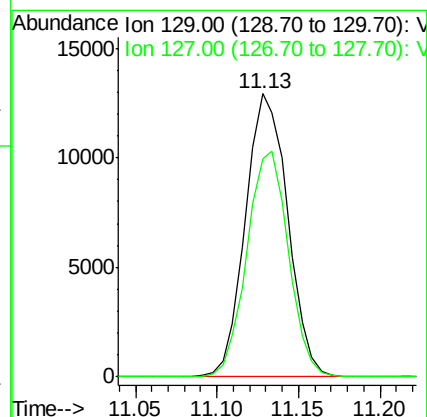
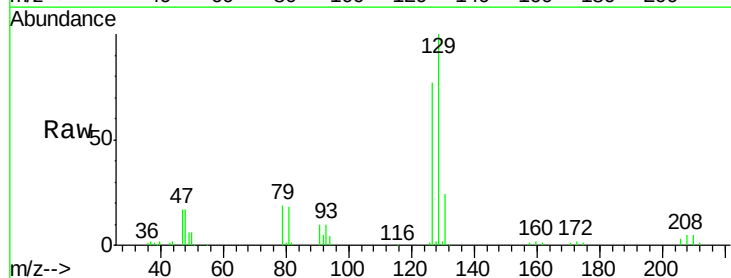
Instrument :
MSVOA_W
ClientSampled :
VSTD00501

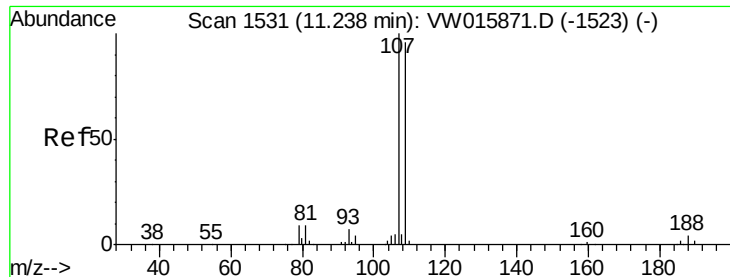
Tgt Ion: 43 Resp: 24285
Ion Ratio Lower Upper
43 100
58 50.4 42.4 63.6
57 18.5 15.6 23.4
100 11.3 9.8 14.6



#50
Dibromochloromethane
Concen: 5.101 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Tgt Ion: 129 Resp: 23400
Ion Ratio Lower Upper
129 100
127 77.0 53.8 100.0

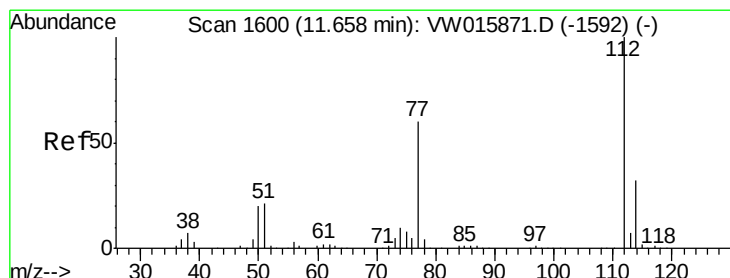
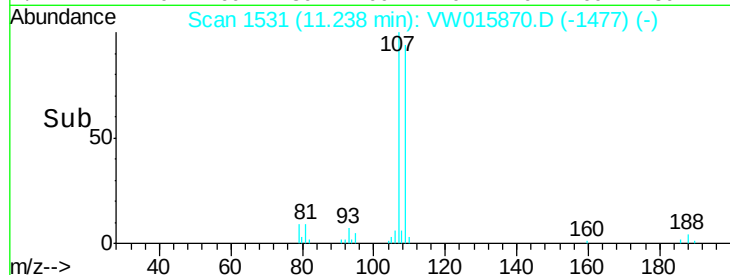
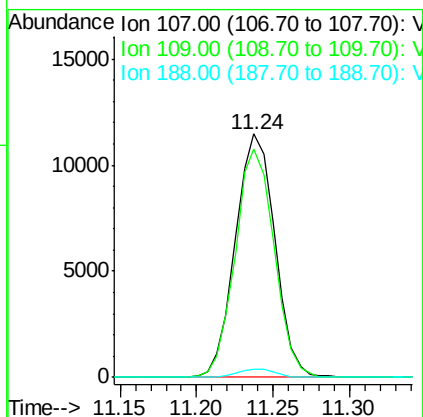
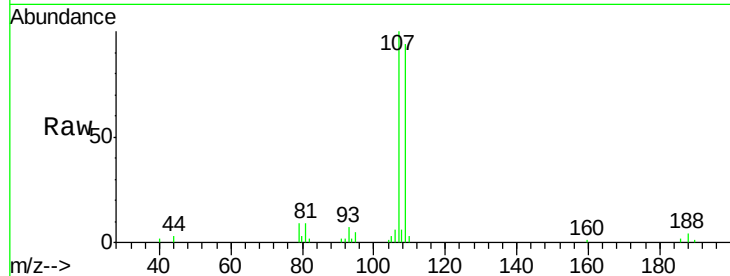




#51
1,2-Dibromoethane
Concen: 5.629 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

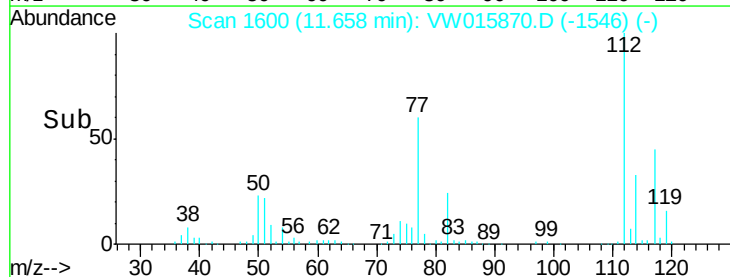
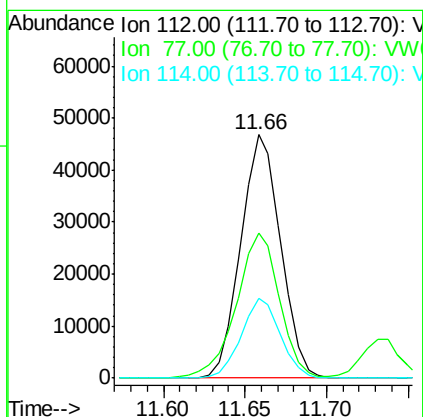
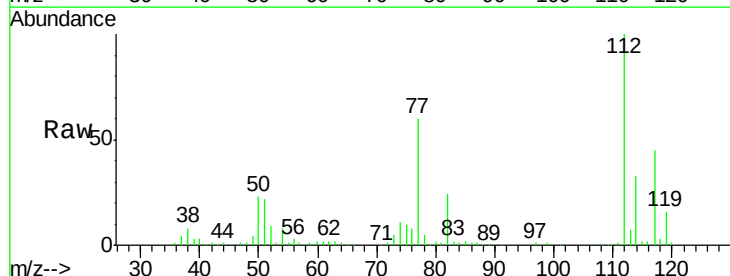
Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

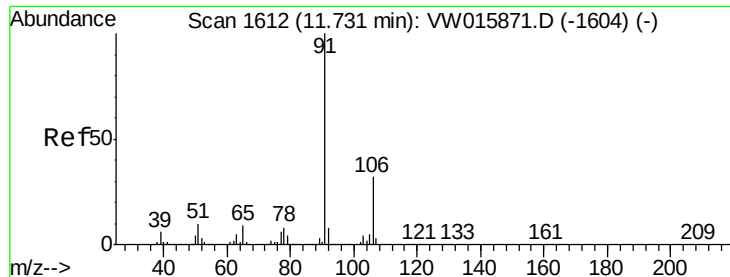
Tgt Ion:107 Resp: 20588
Ion Ratio Lower Upper
107 100
109 93.6 66.9 124.3
188 3.6 3.2 4.8



#52
Chlorobenzene
Concen: 5.184 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Tgt Ion:112 Resp: 79606
Ion Ratio Lower Upper
112 100
77 59.6 47.8 71.6
114 32.7 22.1 41.1





#53

Ethylbenzene

Concen: 5.150 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

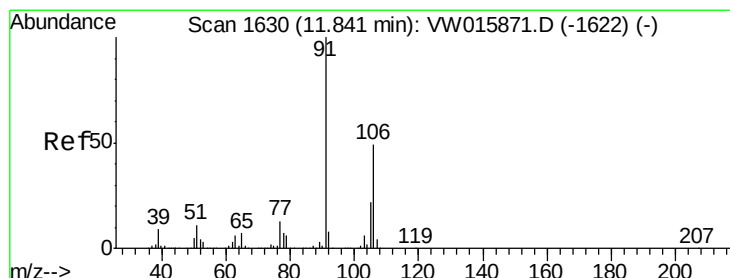
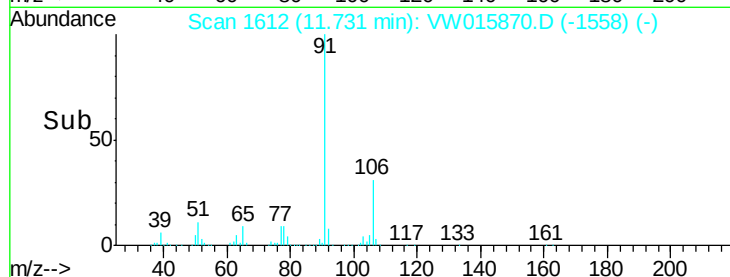
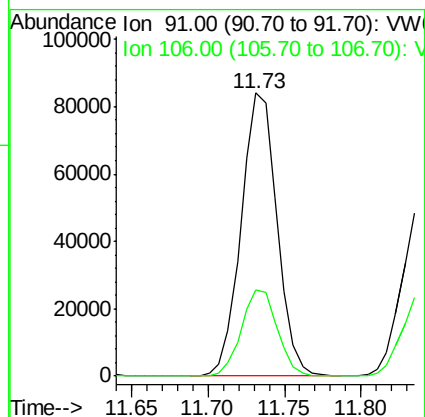
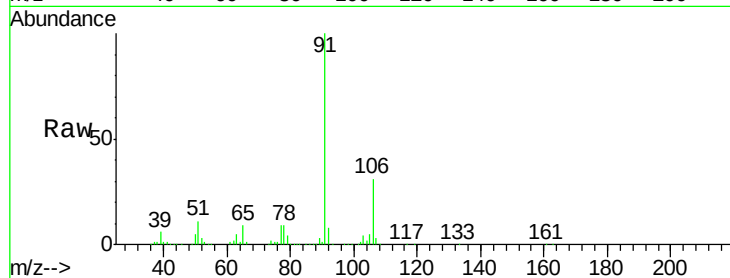
VSTD00501

Tgt Ion: 91 Resp: 136444

Ion Ratio Lower Upper

91 100

106 30.6 22.4 41.6



#54

m,p-Xylene

Concen: 4.933 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015870.D

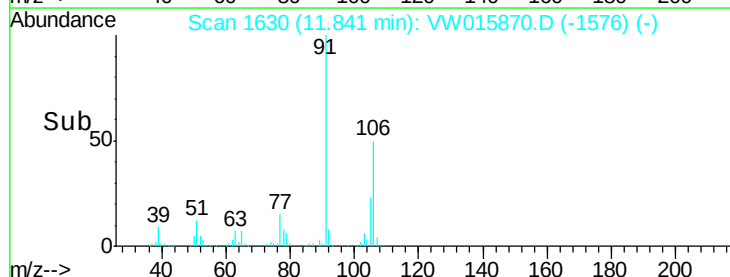
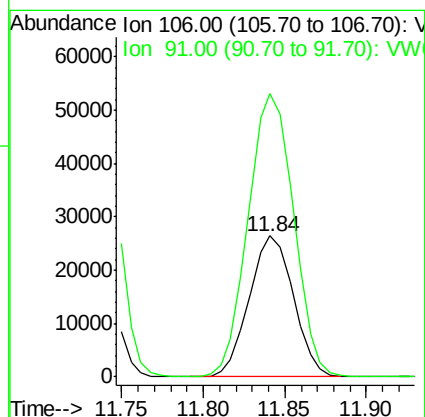
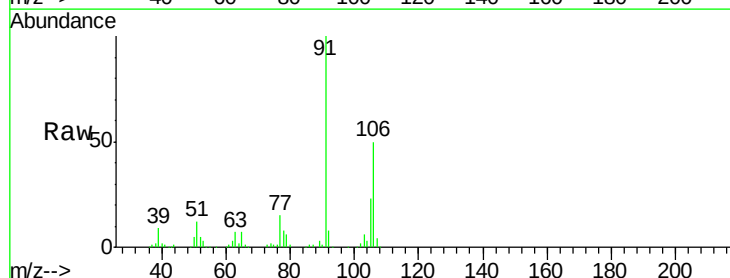
Acq: 20 Jul 2020 11:46

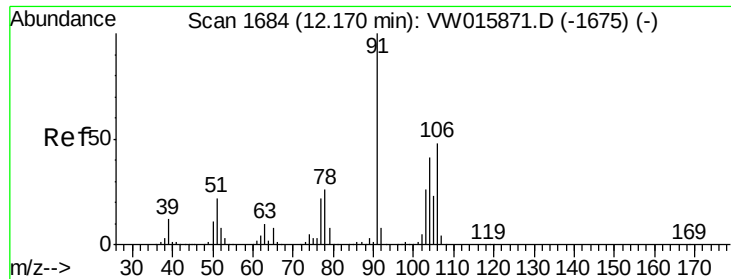
Tgt Ion: 106 Resp: 49859

Ion Ratio Lower Upper

106 100

91 200.6 144.1 267.5





#55

o-xylene

Concen: 4.862 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampled :

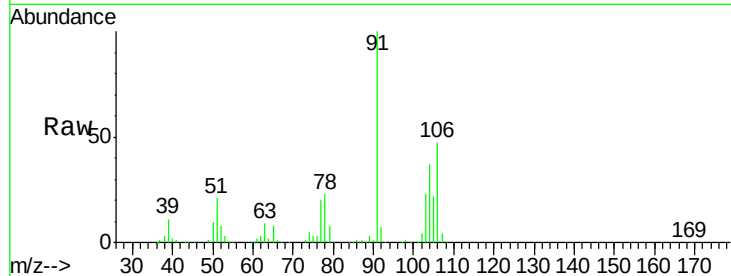
VSTD00501

Tgt Ion:106 Resp: 46460

Ion Ratio Lower Upper

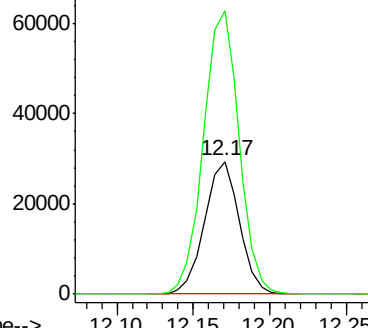
106 100

91 213.1 146.8 272.6

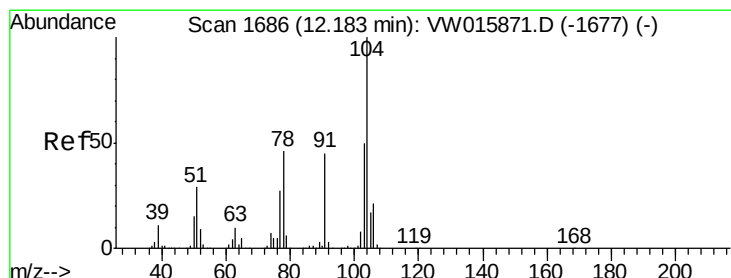
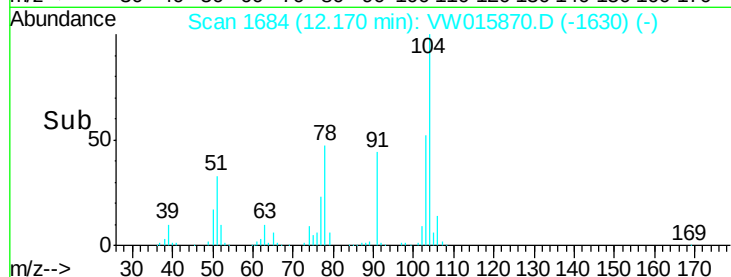


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 4.901 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015870.D

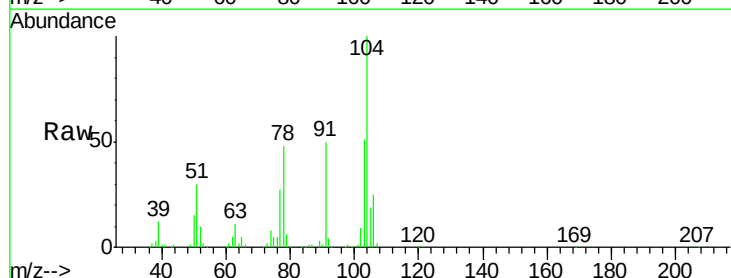
Acq: 20 Jul 2020 11:46

Tgt Ion:104 Resp: 79174

Ion Ratio Lower Upper

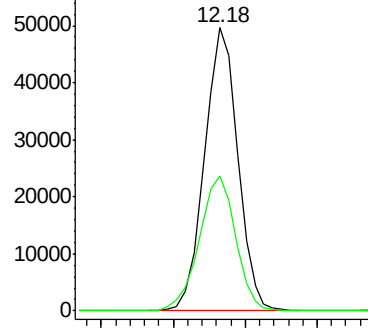
104 100

78 47.6 32.0 59.4

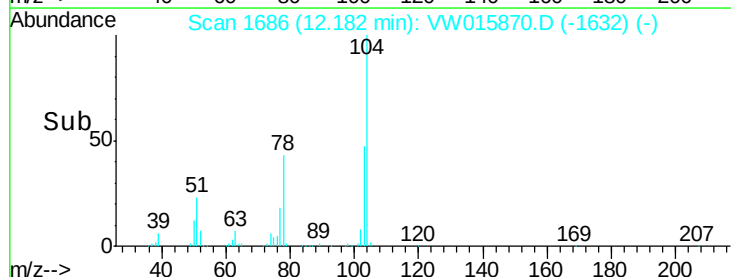


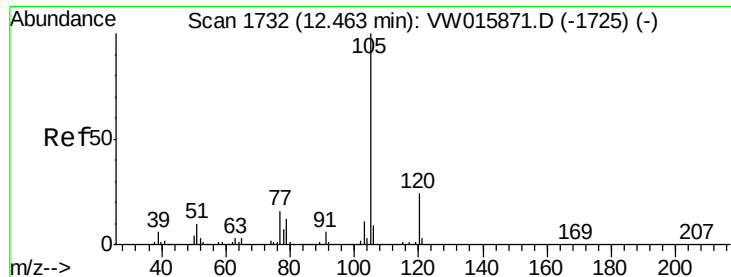
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 4.849 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTD00501

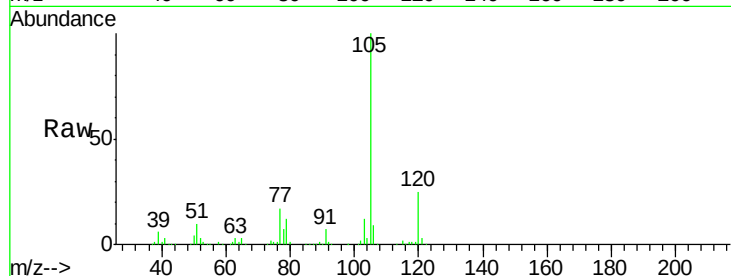
Tgt Ion: 105 Resp: 127485

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

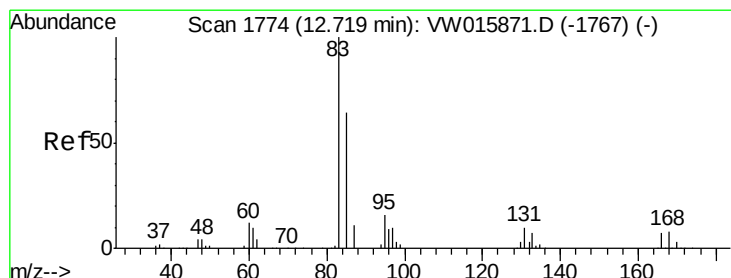
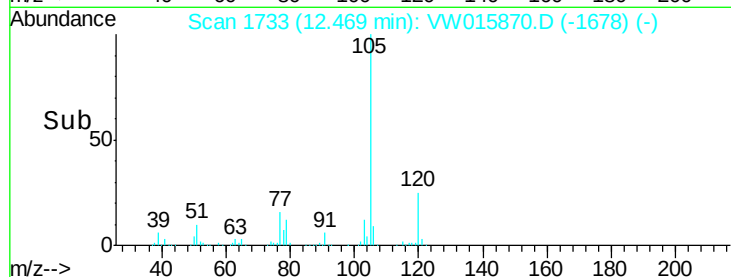
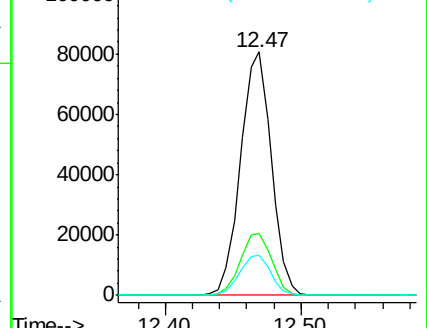
77 16.7 12.9 19.3



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: 5.666 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

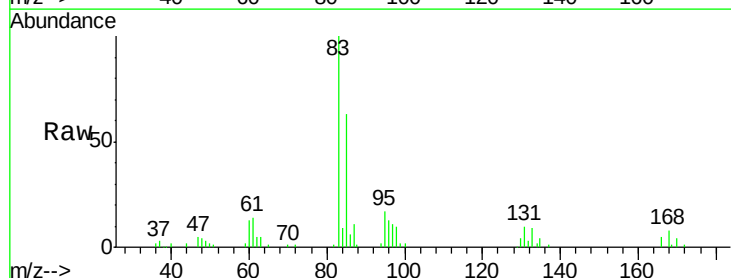
Tgt Ion: 83 Resp: 25103

Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.7

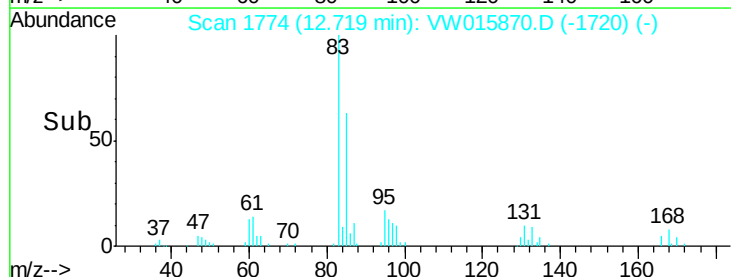
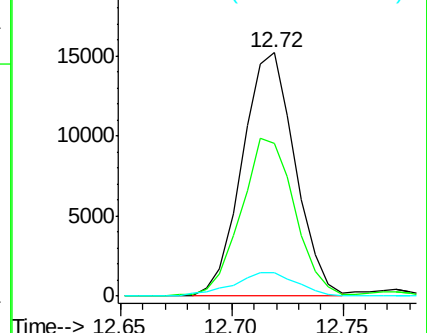
131 9.5 8.2 12.4

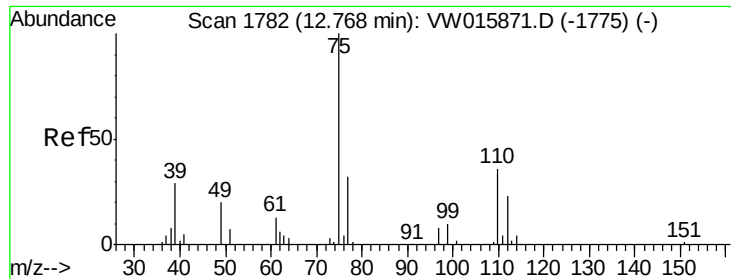


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.902 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

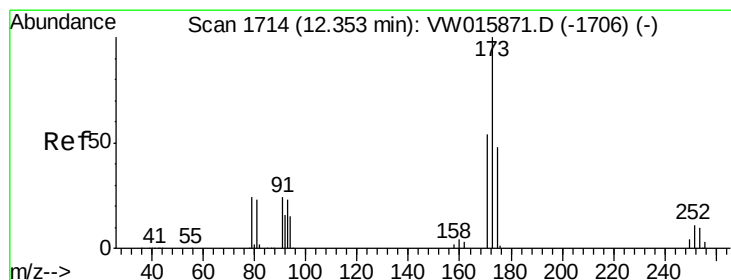
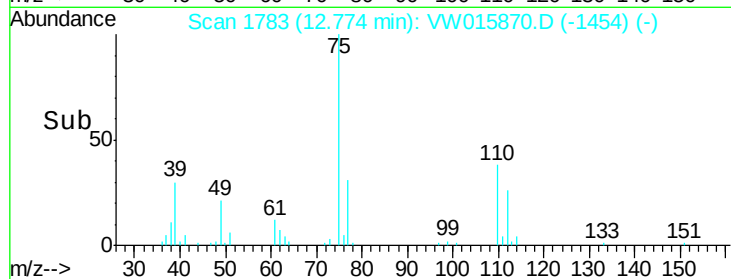
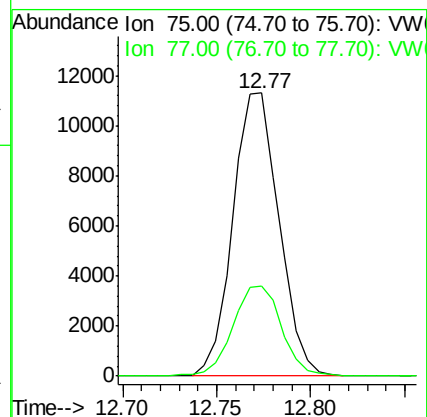
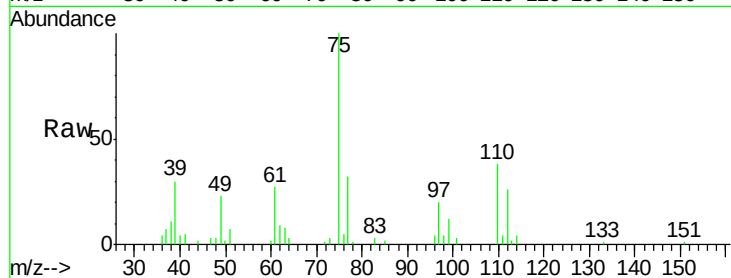
VSTD00501

Tgt Ion: 75 Resp: 19229

Ion Ratio Lower Upper

75 100

77 33.5 26.0 39.0



#62

Bromoform

Concen: 5.313 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

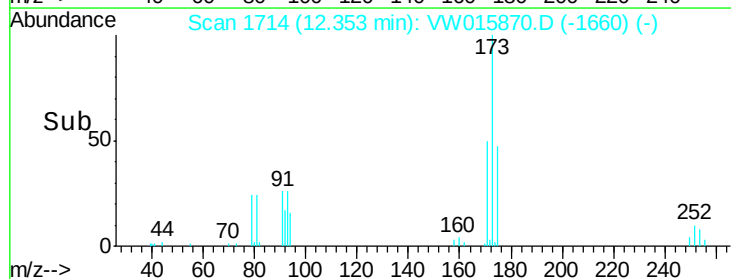
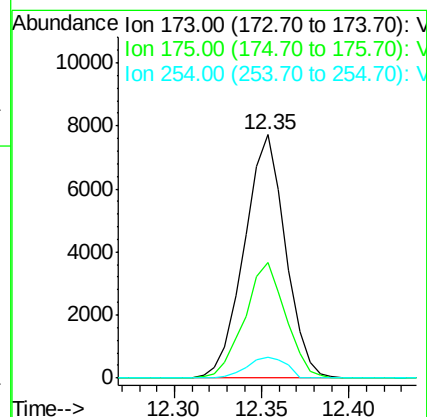
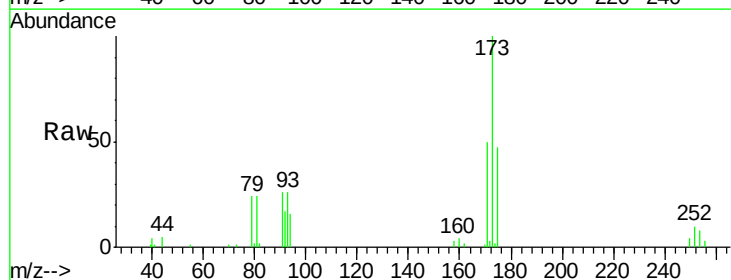
Tgt Ion: 173 Resp: 12638

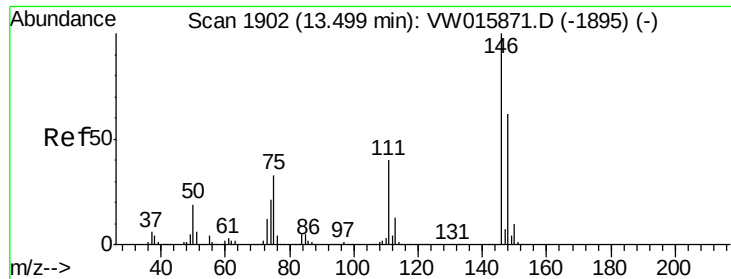
Ion Ratio Lower Upper

173 100

175 47.1 38.7 58.1

254 8.1 7.9 11.9

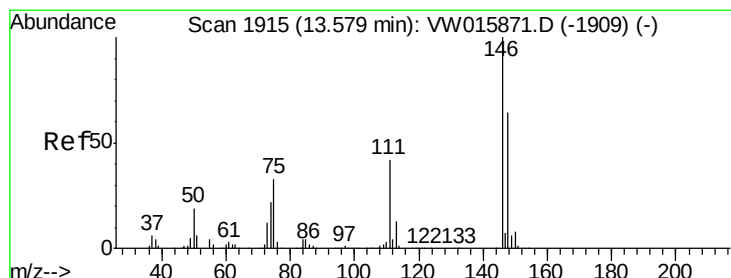
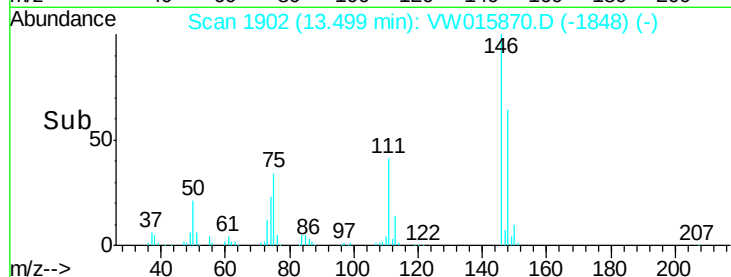
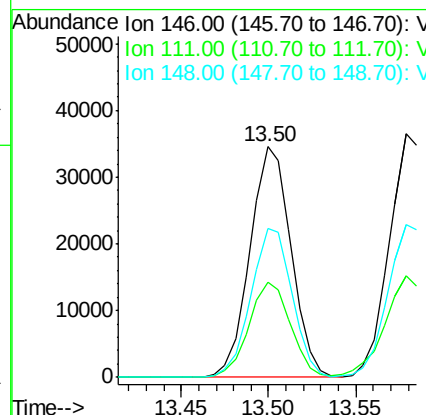
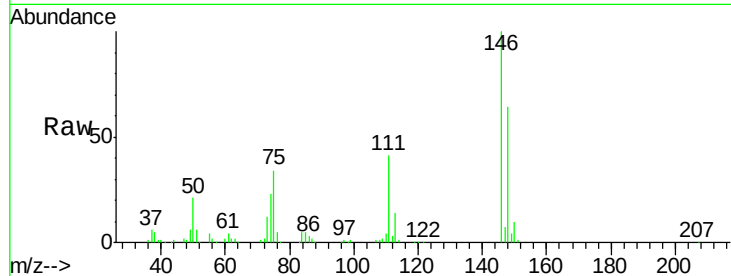




#63
 1,3-Dichlorobenzene
 Concen: 5.201 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

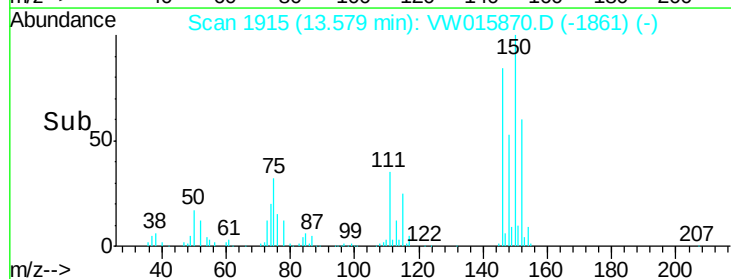
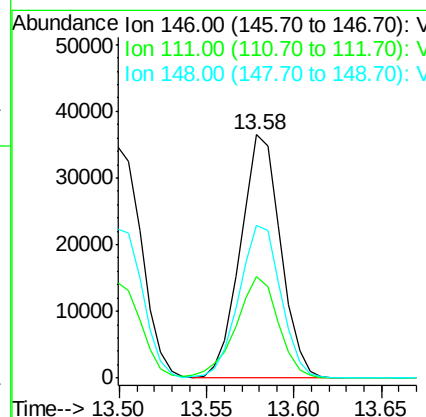
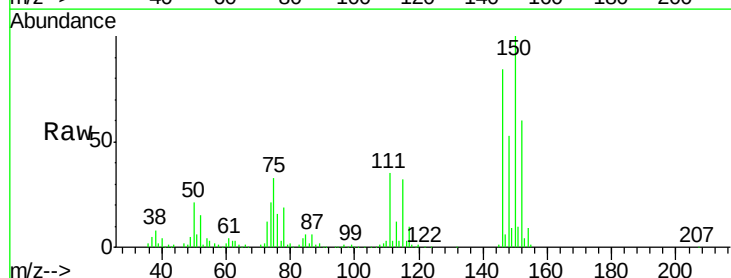
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

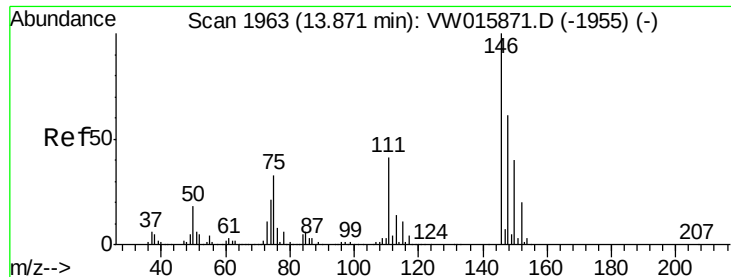
Tgt Ion:146 Resp: 56555
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.9 51.7
 148 64.4 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 5.290 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

Tgt Ion:146 Resp: 58325
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.3 54.3
 148 62.8 44.5 82.7

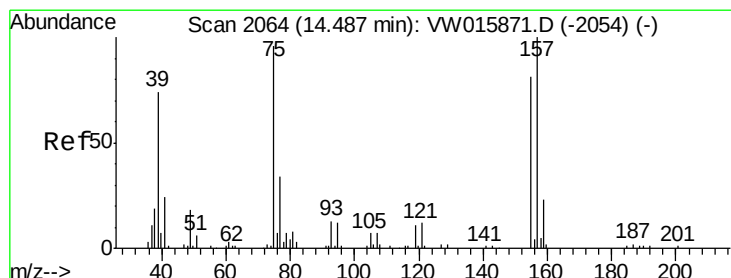
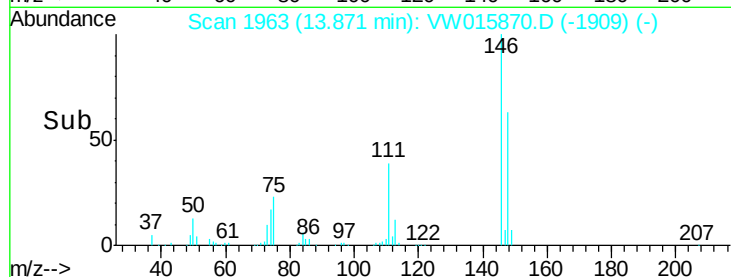
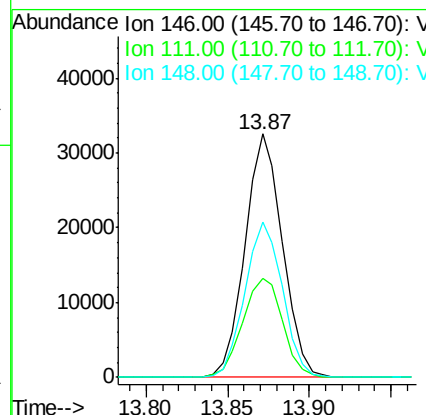
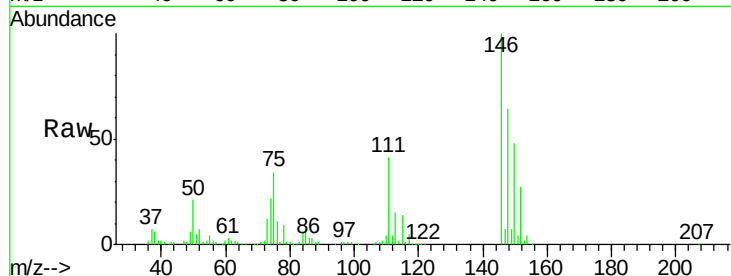




#65
 1,2-Dichlorobenzene
 Concen: 5.212 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

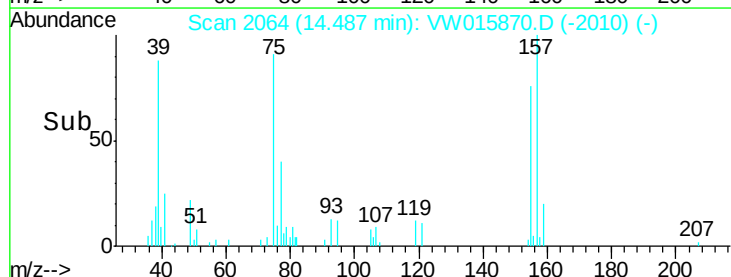
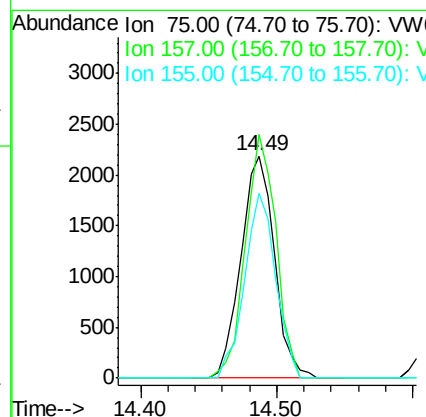
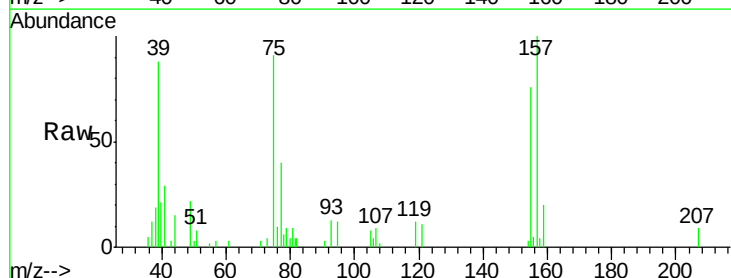
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00501

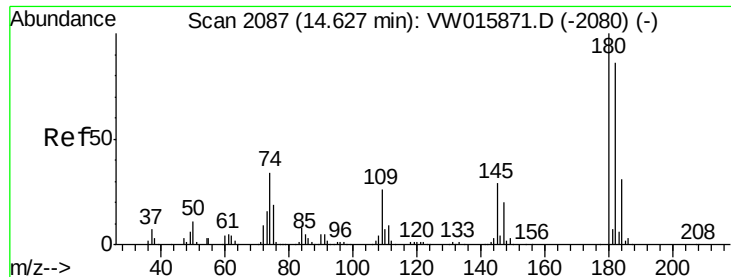
Tgt Ion: 146 Resp: 51939
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.9 49.3
 148 63.8 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.883 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015870.D
 Acq: 20 Jul 2020 11:46

Tgt Ion: 75 Resp: 3762
 Ion Ratio Lower Upper
 75 100
 157 109.6 83.0 124.4
 155 83.0 66.9 100.3

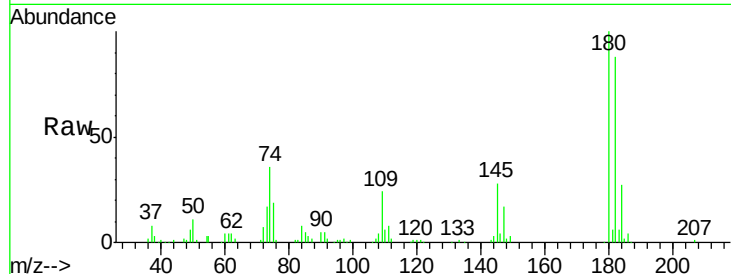




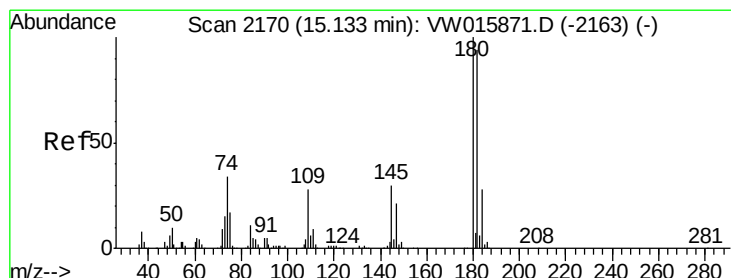
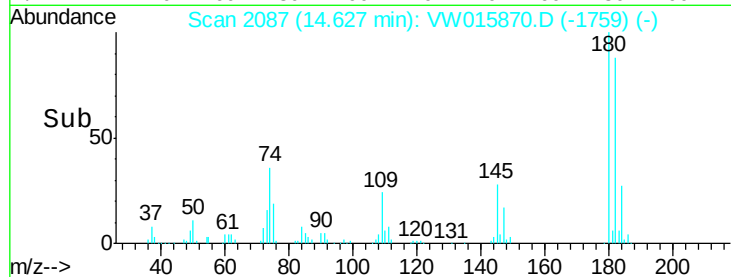
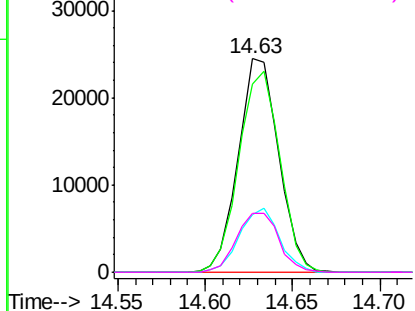
#67
1,3,5-Trichlorobenzene
Concen: 5.365 ug/L
RT: 14.63 min Scan# 2087
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTD00501

Tgt Ion:180 Resp: 39461
Ion Ratio Lower Upper
180 100
182 95.5 75.4 113.0
184 29.7 24.6 37.0
145 28.9 24.1 36.1

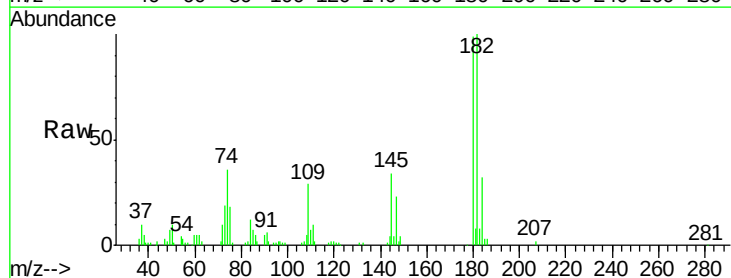


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V

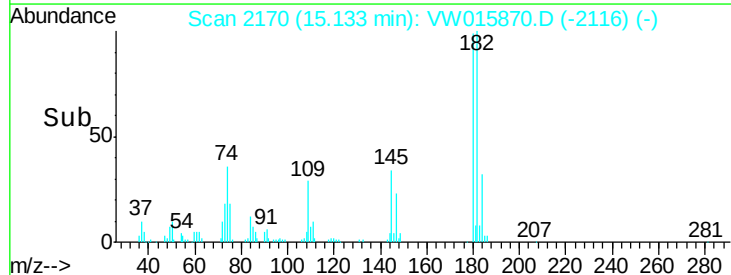
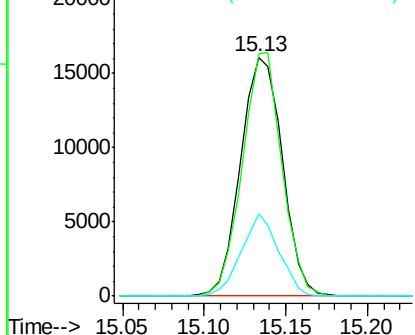


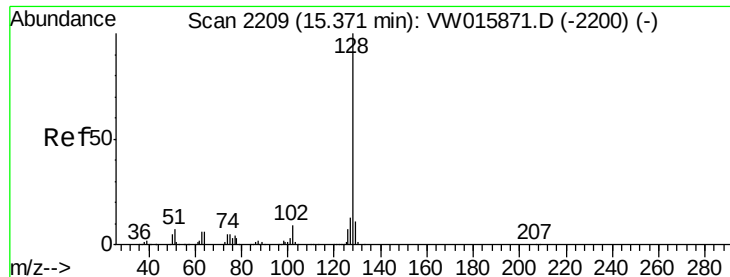
#68
1,2,4-trichlorobenzene
Concen: 4.969 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW015870.D
Acq: 20 Jul 2020 11:46

Tgt Ion:180 Resp: 28660
Ion Ratio Lower Upper
180 100
182 96.6 76.0 114.0
145 31.0 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: 5.062 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD00501

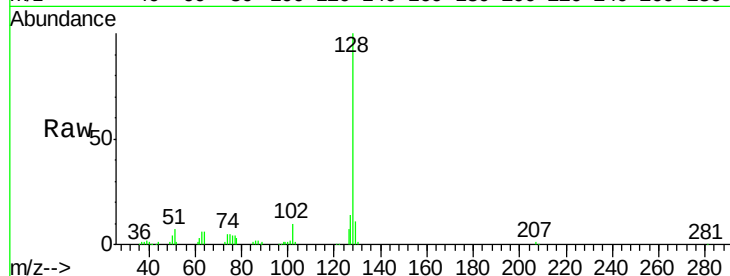
Tgt Ion:128 Resp: 52283

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

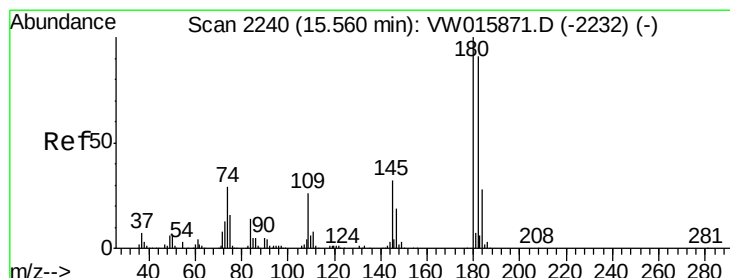
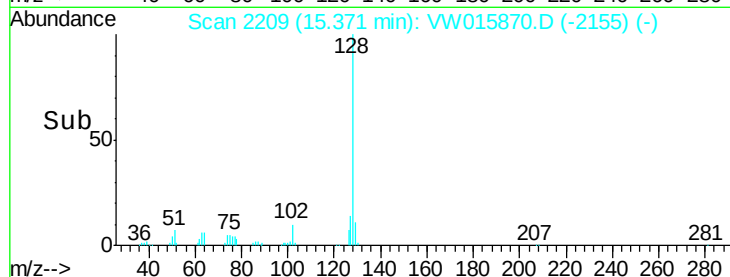
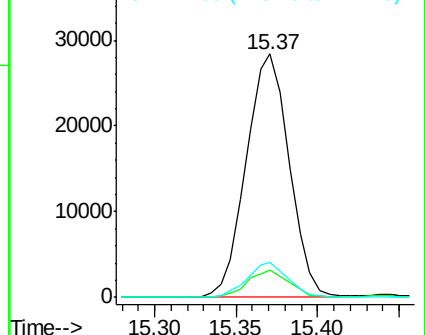
127 13.5 10.5 15.7



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: 5.028 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015870.D

Acq: 20 Jul 2020 11:46

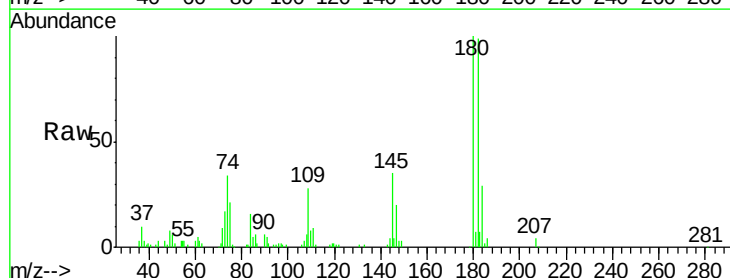
Tgt Ion:180 Resp: 26038

Ion Ratio Lower Upper

180 100

182 97.3 74.0 111.0

145 32.7 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

