

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072020\
 Data File : VW015873.D
 Acq On : 20 Jul 2020 12:58
 Operator : SY/VA
 Sample : VSTD10004
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

Quant Time: Jul 20 13:26:36 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	445113	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	404592	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192090	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	556671	75.00	ug/L	0.00
7) Chloroethane-d5	2.89	69	481085	66.28	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1203784	109.67	ug/L	0.00
20) 2-Butanone-d5	7.08	46	360881	284.09	ug/L	0.00
24) Chloroform-d	7.65	84	1198033	98.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	653197	99.60	ug/L	0.00
29) Benzene-d6	8.27	84	2347498	102.93	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	716505	109.38	ug/L	0.00
37) Toluene-d8	10.33	98	2137706	99.08	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	323152	114.64	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	286834	297.11	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	576478	109.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	703480	97.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	405404	126.146 ug/L	96
3) Chloromethane	2.22	50	491938	102.360 ug/L	99
5) Vinyl chloride	2.37	62	672236	82.088 ug/L	100
6) Bromomethane	2.78	94	408541	58.632 ug/L	98
8) Chloroethane	2.93	64	409466	71.461 ug/L	97
9) Trichlorofluoromethane	3.26	101	481233	63.437 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	580037	111.304 ug/L	99
12) 1,1-Dichloroethene	4.04	96	580790	117.632 ug/L	96
13) Acetone	4.12	43	275557	275.668 ug/L	99
14) Carbon disulfide	4.38	76	1812998	112.950 ug/L	100
15) Methyl Acetate	4.67	43	283001	141.065 ug/L	99
16) Methylene chloride	4.92	84	593119	96.901 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	845444	114.611 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	623083	106.922 ug/L	97
19) 1,1-Dichloroethane	6.22	63	1121258	109.330 ug/L	99
21) 2-Butanone	7.18	43	384108	289.308 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	662130	107.953 ug/L	99
23) Bromochloromethane	7.52	128	290078	106.270 ug/L	97
25) Chloroform	7.68	83	1115141	102.064 ug/L	99
27) 1,2-Dichloroethane	8.40	62	748727	104.437 ug/L	99
30) Cyclohexane	7.96	56	1072109	123.496 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	937936	103.116 ug/L	99
32) Carbon tetrachloride	8.07	117	860372	101.940 ug/L	99
34) Benzene	8.33	78	2465548	107.119 ug/L	100
35) Trichloroethene	9.10	95	653923	105.404 ug/L	98
36) Methylcyclohexane	9.34	83	1163917	109.744 ug/L	99
40) 1,2-Dichloropropane	9.37	63	618814	112.360 ug/L	100
41) Bromodichloromethane	9.65	83	824582	111.076 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1021150	123.697 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	814454	300.693 ug/L	99

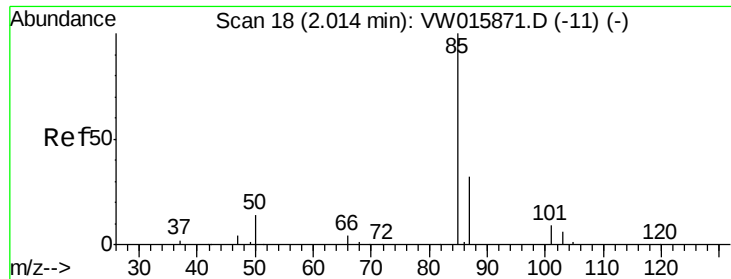
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072020\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 12:42:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2618046	102.914	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	886489	120.998	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	459609	109.453	ug/L	99
47) Tetrachloroethene	10.87	164	508761	102.406	ug/L	96
49) 2-Hexanone	10.97	43	567909	294.732	ug/L	98
50) Dibromochloromethane	11.13	129	547751	110.228	ug/L	100
51) 1,2-Dibromoethane	11.24	107	440687	111.244	ug/L	97
52) Chlorobenzene	11.66	112	1655824	99.540	ug/L	99
53) Ethylbenzene	11.73	91	2995385	104.369	ug/L	100
54) m,p-Xylene	11.84	106	1135502	103.727	ug/L	100
55) o-xylene	12.17	106	1095746	105.870	ug/L	94
56) Styrene	12.18	104	1881020	107.506	ug/L	100
57) Isopropylbenzene	12.47	105	2934679	103.058	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	547366	114.052	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	412180	116.806	ug/L	99
62) Bromoform	12.35	173	317849	119.885	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1223941	100.988	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	1253184	101.974	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	1135513	102.218	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	95245	133.618	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	895322	109.197	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	762147	118.538	ug/L	98
69) Naphthalene	15.37	128	1564052	135.848	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	664557	115.119	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 126.146 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

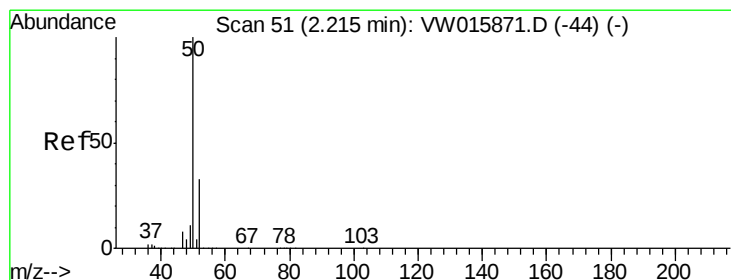
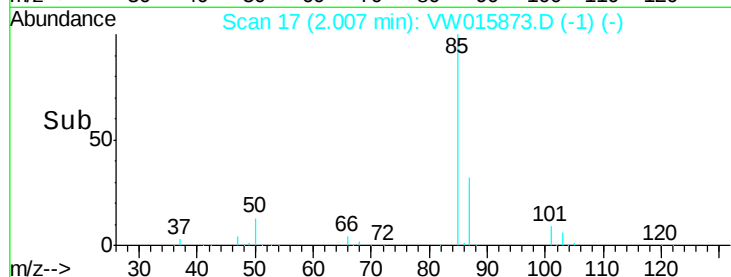
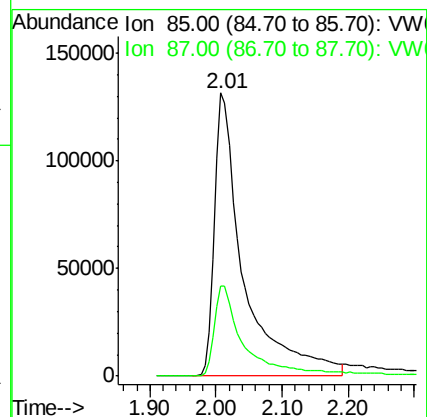
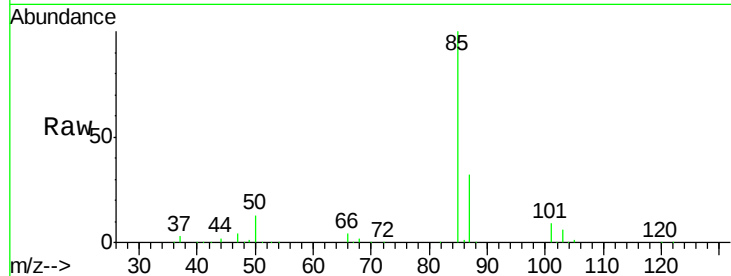
VSTD10004

Tgt Ion: 85 Resp: 405404

Ion Ratio Lower Upper

85 100

87 32.0 21.0 39.0



#3

Chloromethane

Concen: 102.360 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015873.D

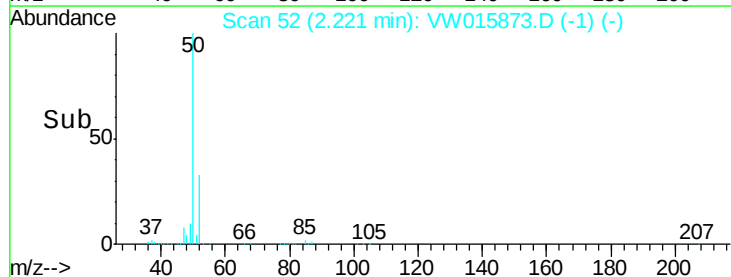
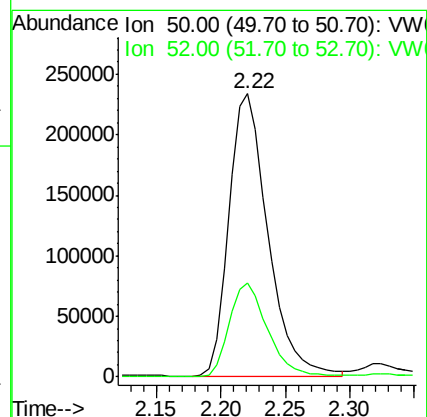
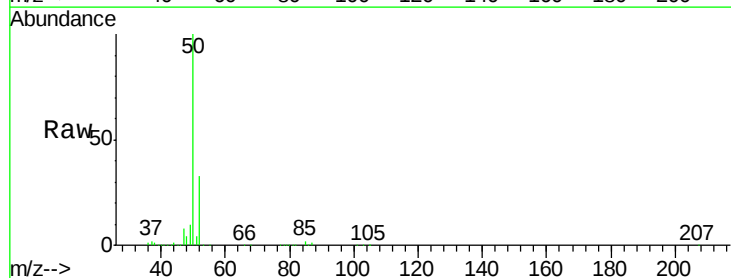
Acq: 20 Jul 2020 12:58

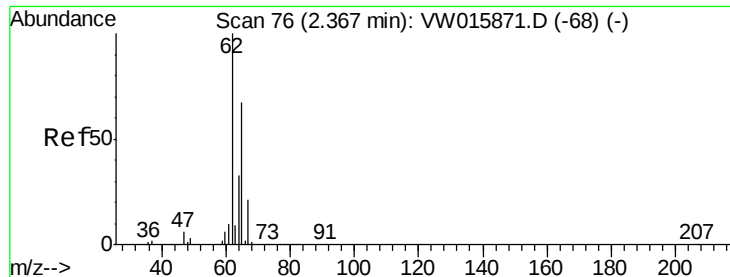
Tgt Ion: 50 Resp: 491938

Ion Ratio Lower Upper

50 100

52 33.2 22.8 42.4





#5

Vinyl chloride

Concen: 82.088 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

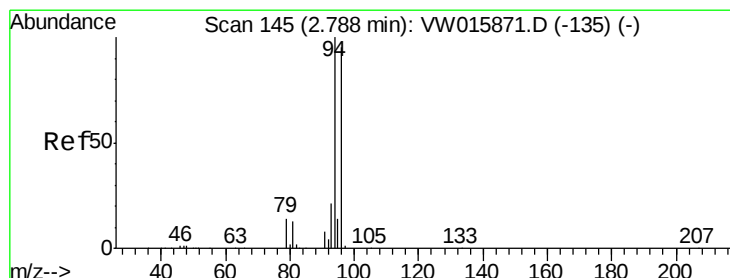
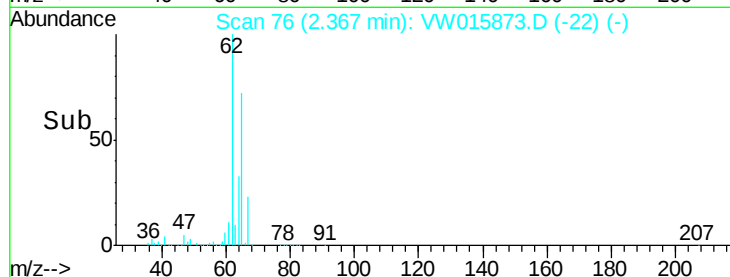
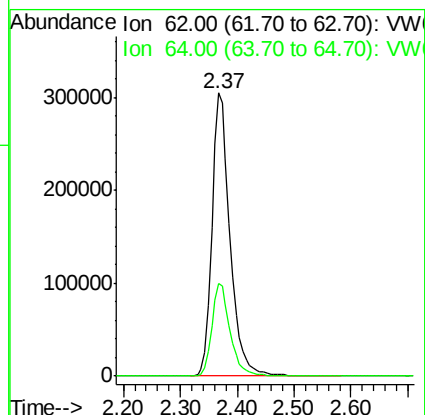
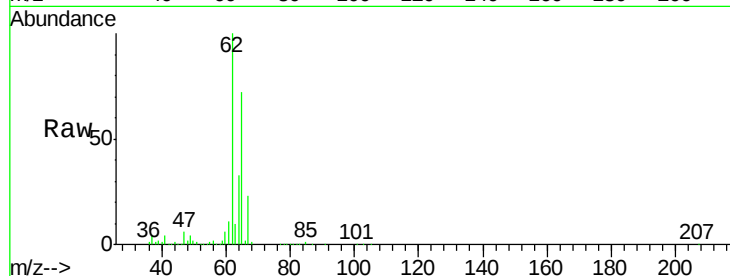
VSTD10004

Tgt Ion: 62 Resp: 672236

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 58.632 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015873.D

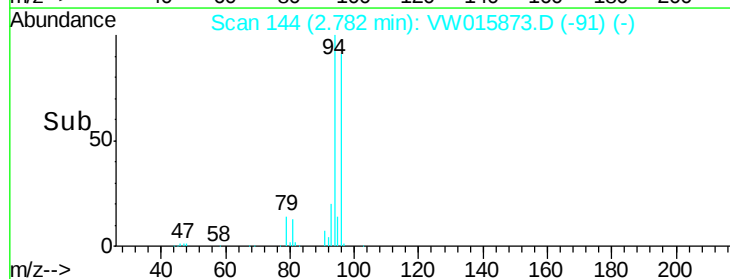
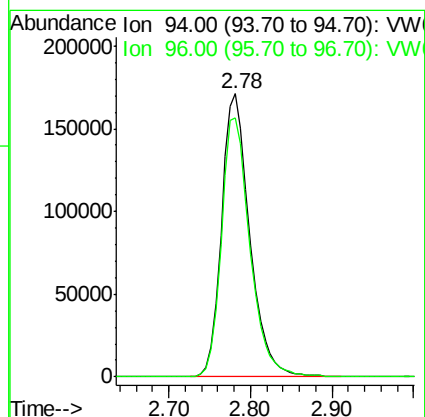
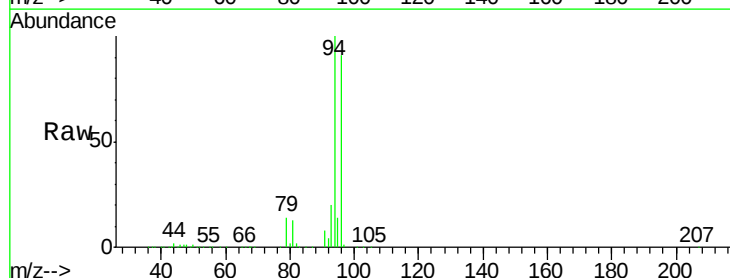
Acq: 20 Jul 2020 12:58

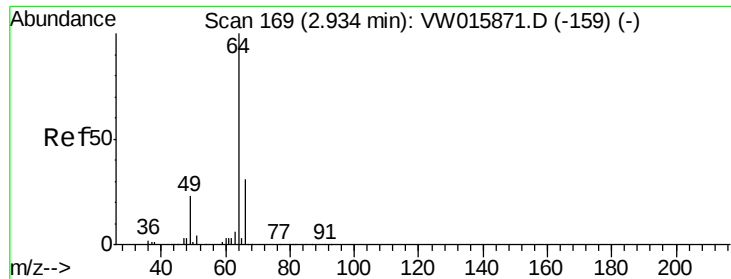
Tgt Ion: 94 Resp: 408541

Ion Ratio Lower Upper

94 100

96 93.3 9.5 180.1





#8

Chloroethane

Concen: 71.461 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

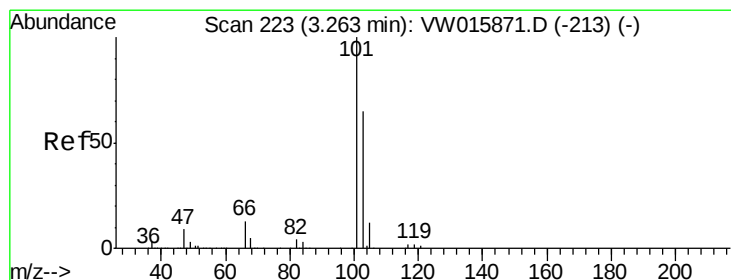
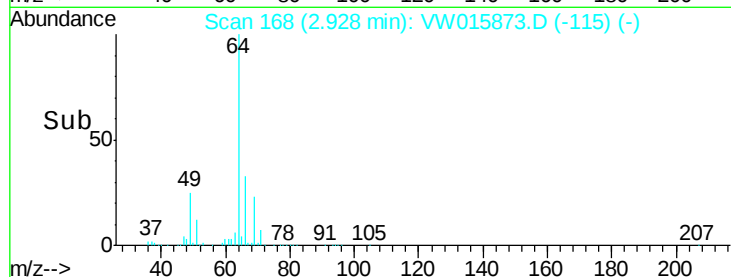
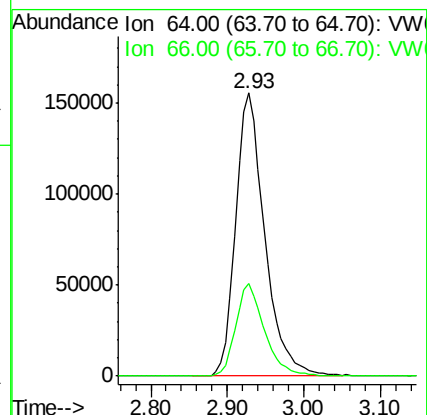
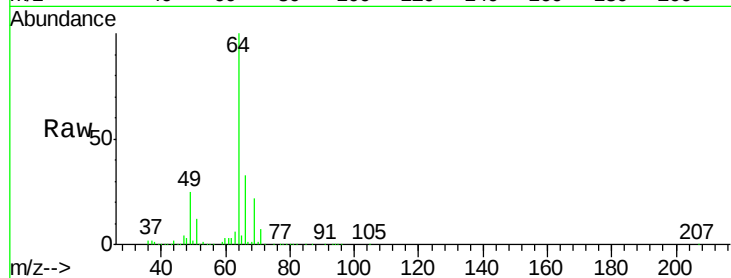
VSTD10004

Tgt Ion: 64 Resp: 409466

Ion Ratio Lower Upper

64 100

66 32.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 63.437 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015873.D

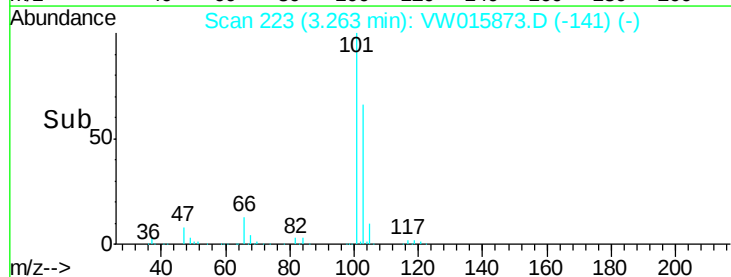
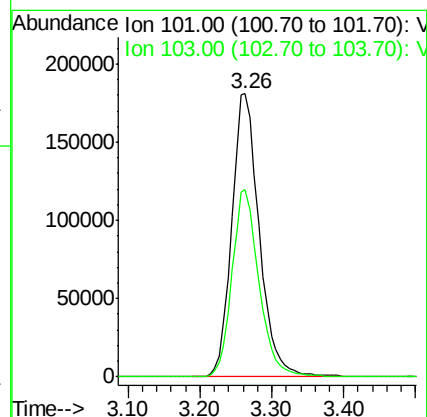
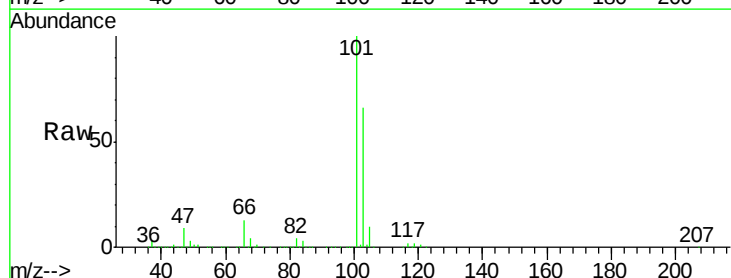
Acq: 20 Jul 2020 12:58

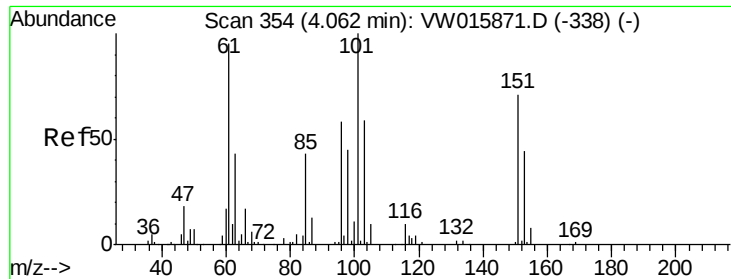
Tgt Ion: 101 Resp: 481233

Ion Ratio Lower Upper

101 100

103 64.8 45.8 85.2





#11

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

Concen: 111.304 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

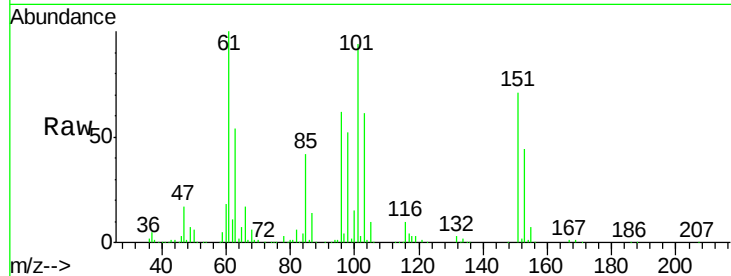
Tgt Ion:101 Resp: 580037

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

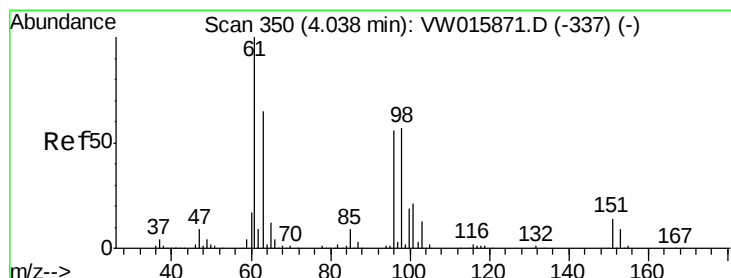
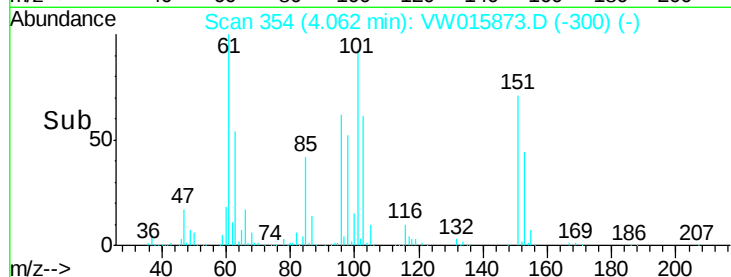
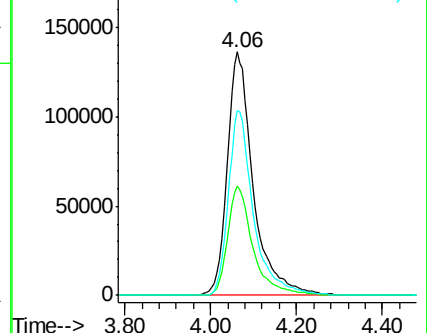
151 73.5 58.4 87.6



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: 117.632 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

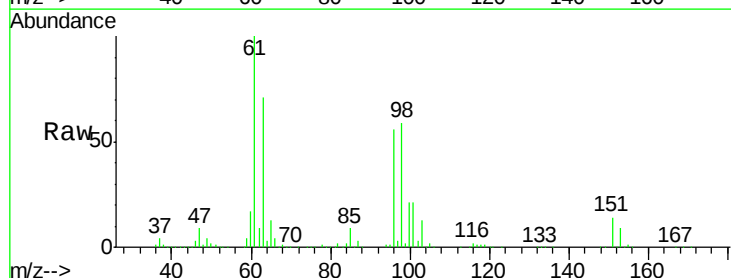
Tgt Ion: 96 Resp: 580790

Ion Ratio Lower Upper

96 100

61 178.3 125.0 232.2

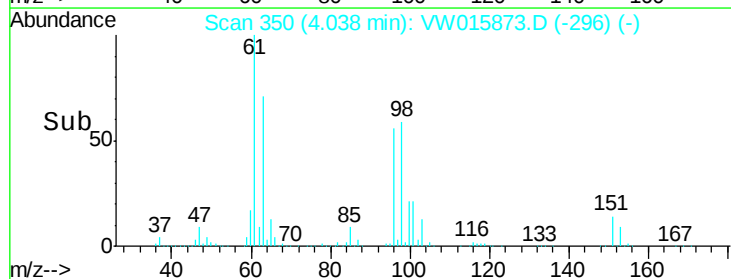
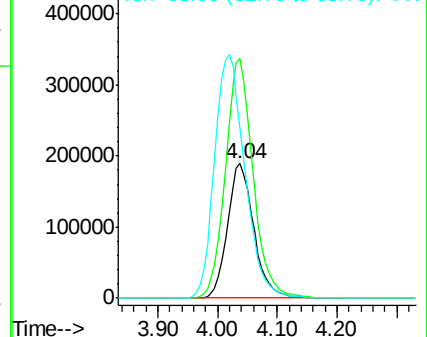
63 127.0 82.3 152.8

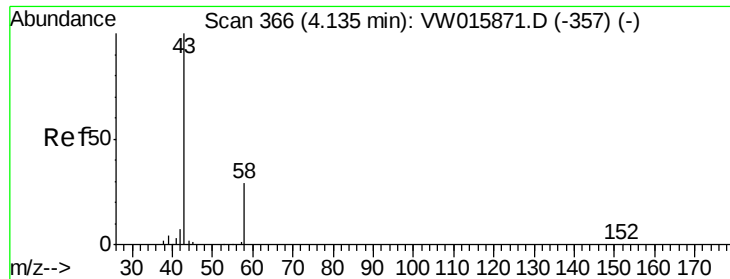


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 275.668 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampled :

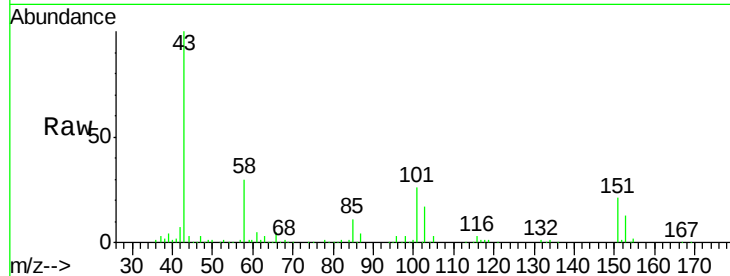
VSTD10004

Tgt Ion: 43 Resp: 275557

Ion Ratio Lower Upper

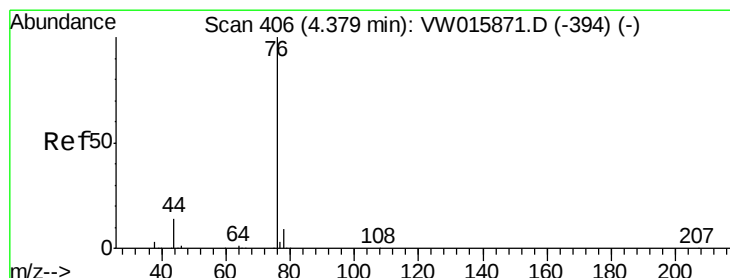
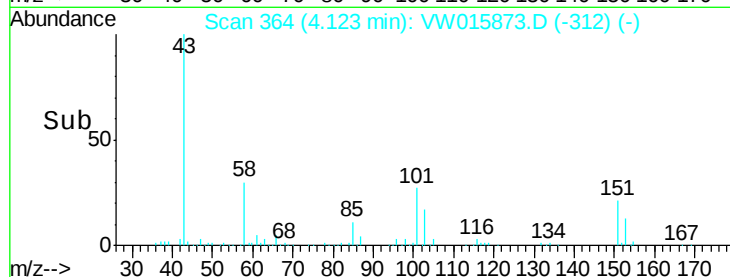
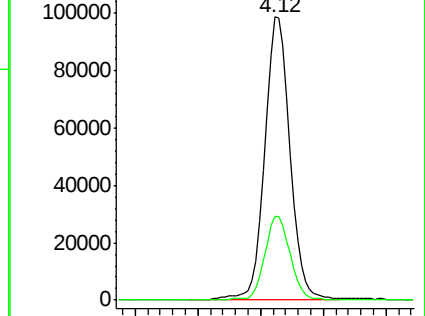
43 100

58 28.7 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: 112.950 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015873.D

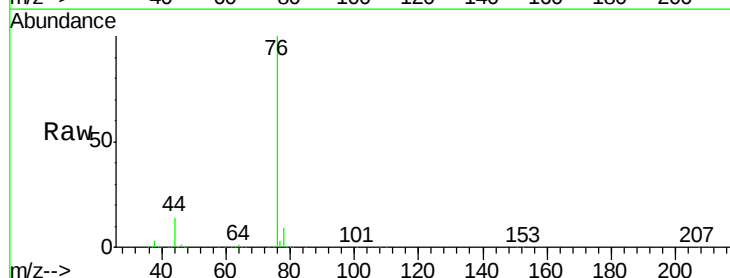
Acq: 20 Jul 2020 12:58

Tgt Ion: 76 Resp: 1812998

Ion Ratio Lower Upper

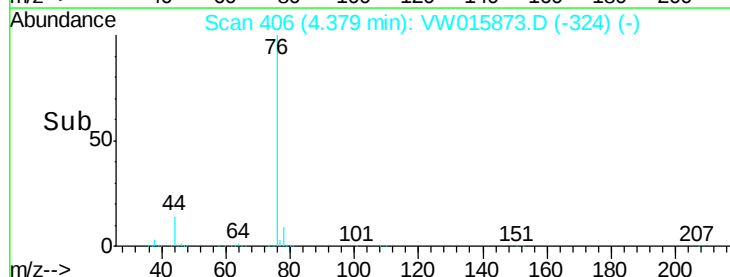
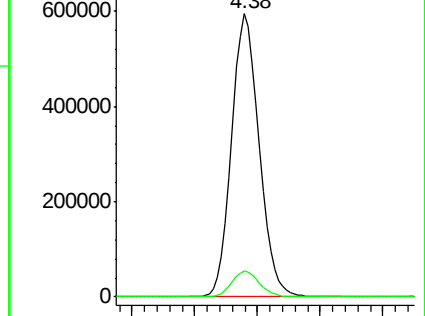
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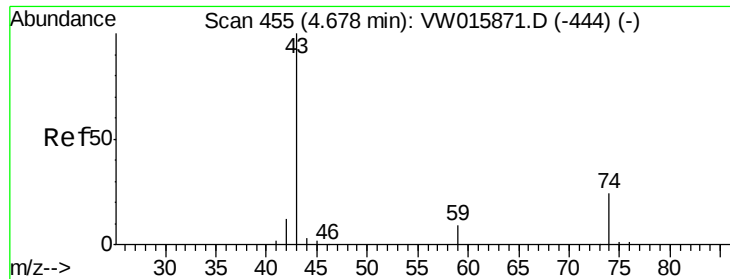
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

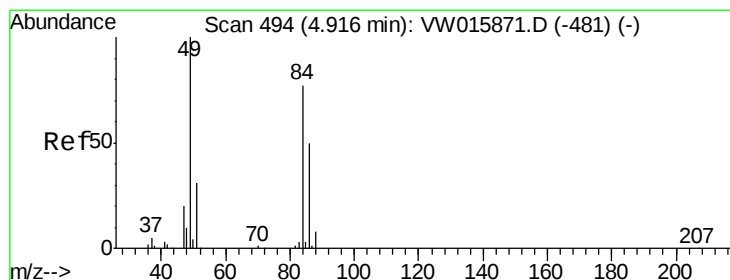
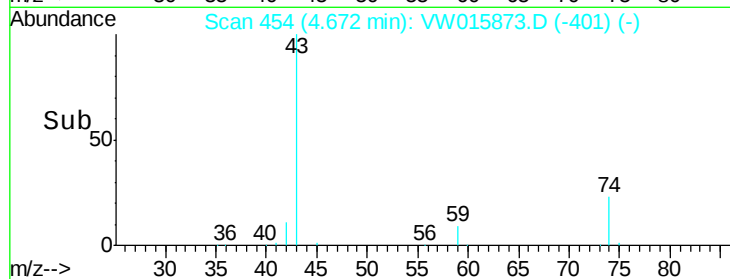
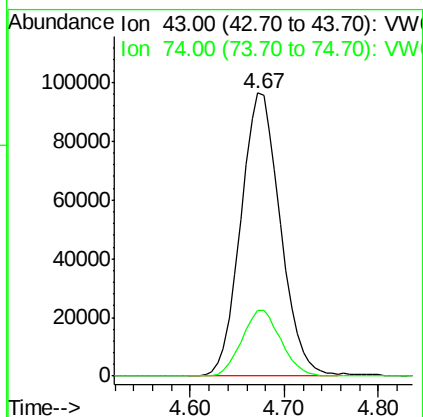
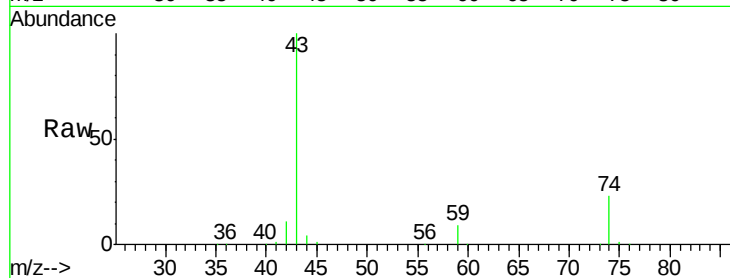




#15
Methyl Acetate
Concen: 141.065 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

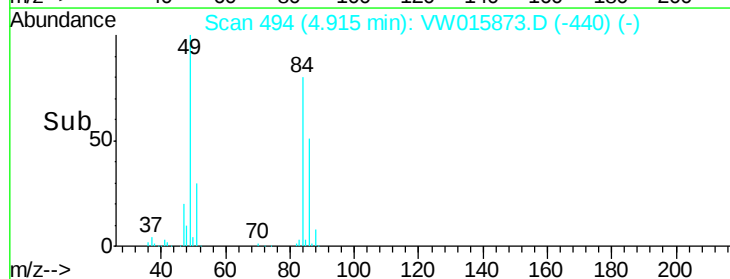
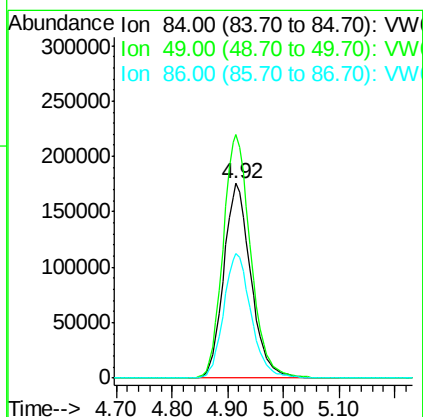
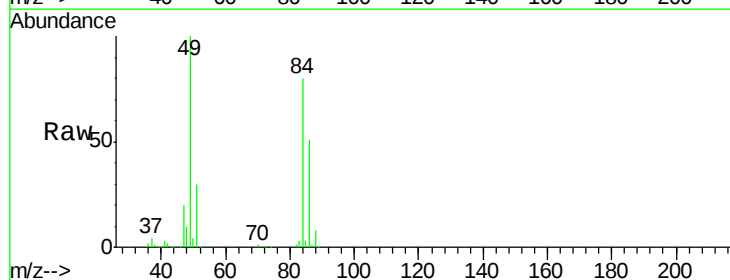
Instrument :
MSVOA_W
ClientSampled :
VSTD10004

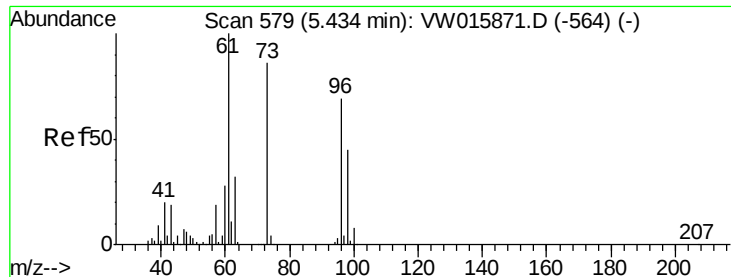
Tgt Ion: 43 Resp: 283001
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2



#16
Methylene chloride
Concen: 96.901 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Tgt Ion: 84 Resp: 593119
Ion Ratio Lower Upper
84 100
49 124.9 91.1 169.1
86 63.9 46.0 85.4

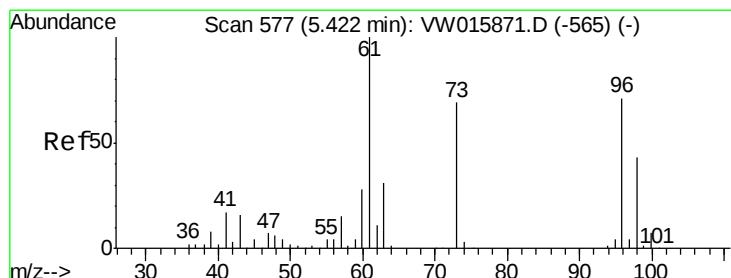
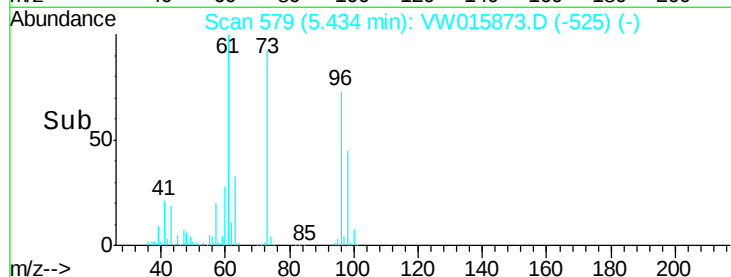
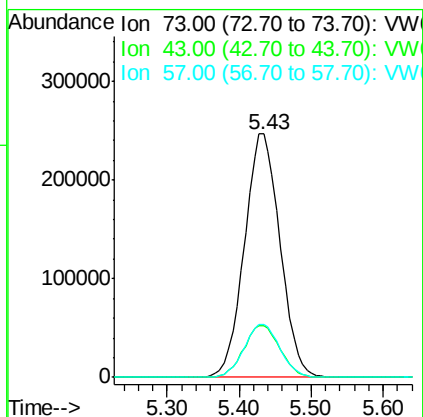
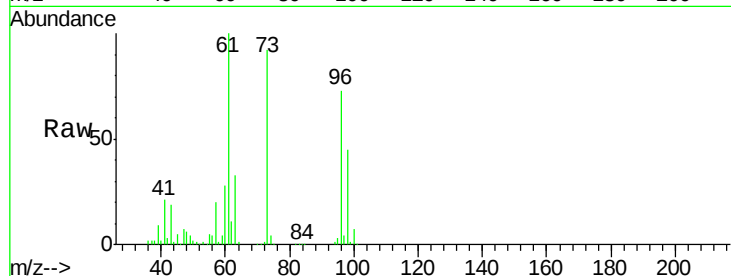




#17
Methyl tert-butyl Ether
Concen: 114.611 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

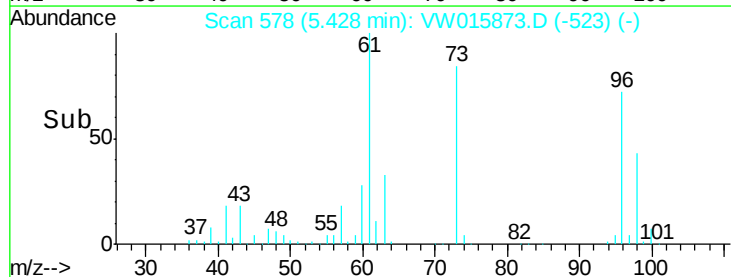
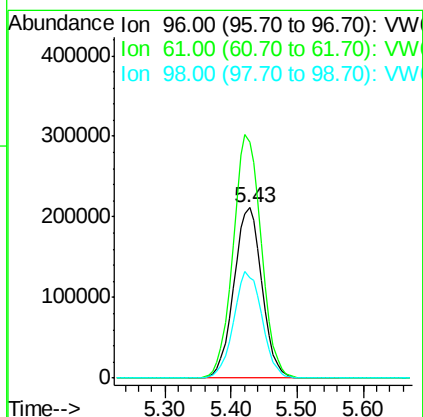
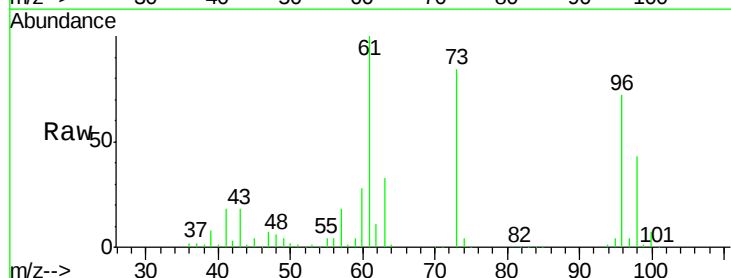
Instrument :
MSVOA_W
ClientSampleId :
VSTD10004

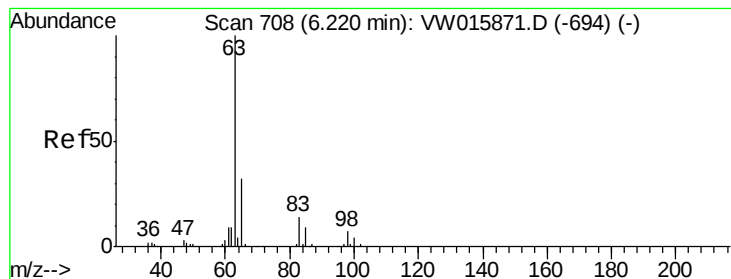
Tgt Ion: 73 Resp: 845444
Ion Ratio Lower Upper
73 100
43 21.7 18.4 27.6
57 22.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 106.922 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Tgt Ion: 96 Resp: 623083
Ion Ratio Lower Upper
96 100
61 138.1 99.3 184.5
98 58.7 42.9 79.7





#19

1,1-Dichloroethane

Concen: 109.330 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

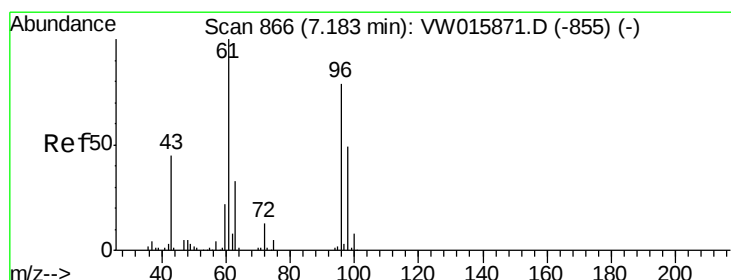
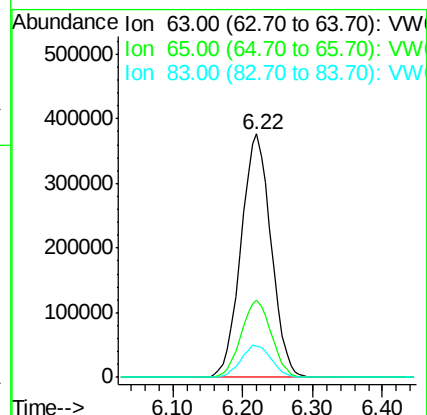
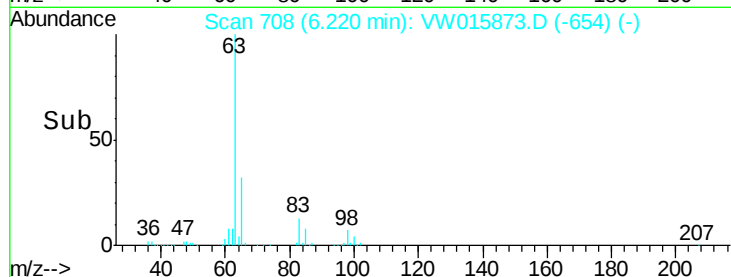
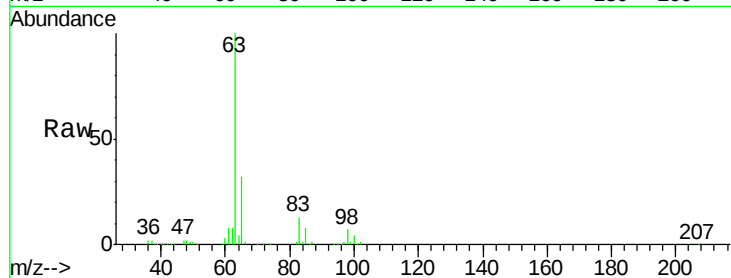
Tgt Ion: 63 Resp: 1121258

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

83 13.0 9.8 18.2



#21

2-Butanone

Concen: 289.308 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015873.D

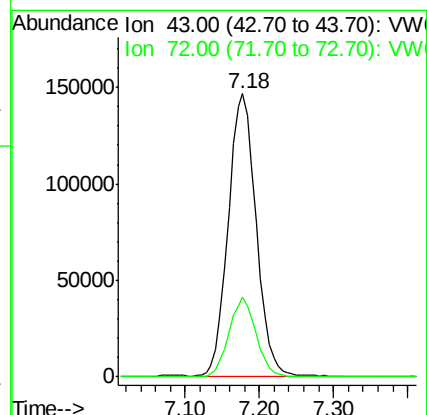
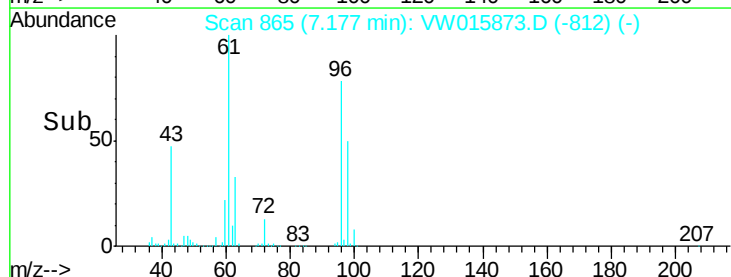
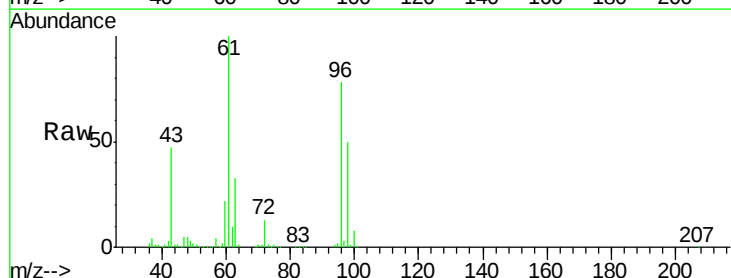
Acq: 20 Jul 2020 12:58

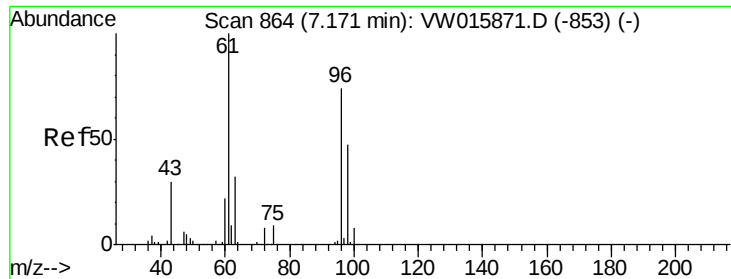
Tgt Ion: 43 Resp: 384108

Ion Ratio Lower Upper

43 100

72 27.4 13.9 41.7



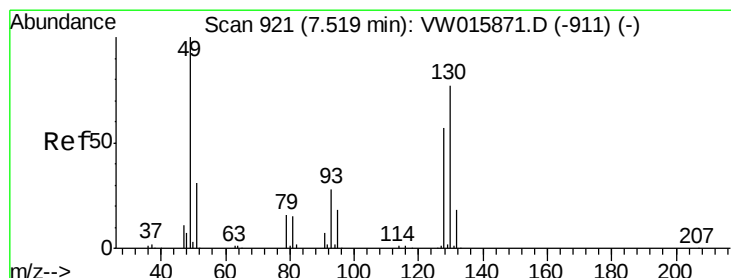
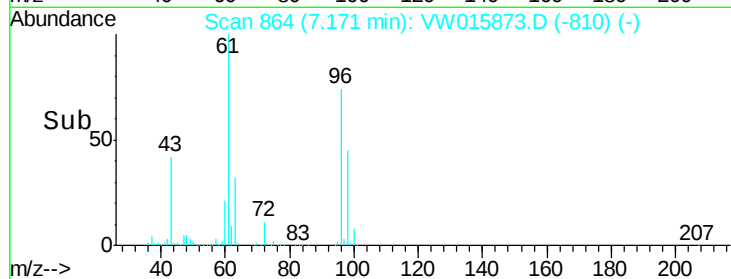
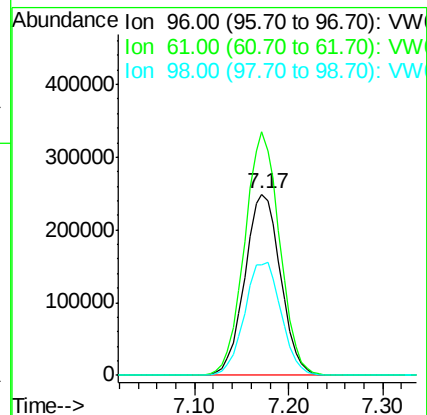
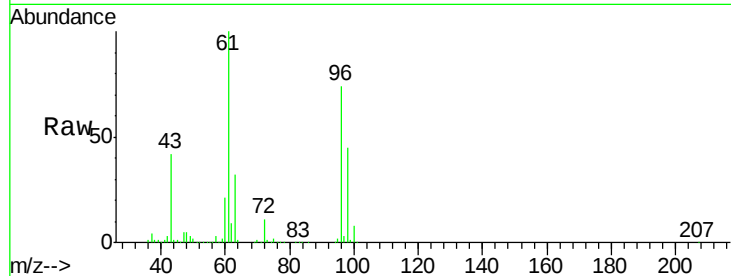


#22

cis-1,2-Dichloroethene
Concen: 107.953 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD10004

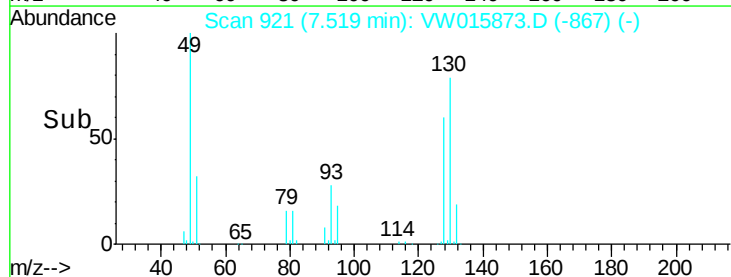
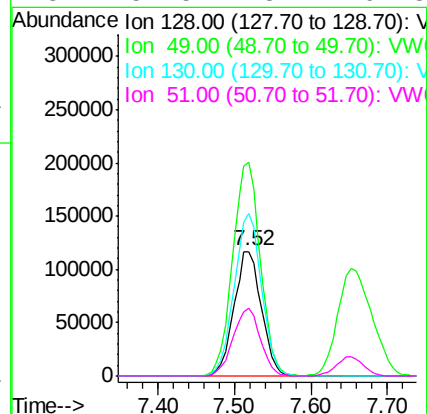
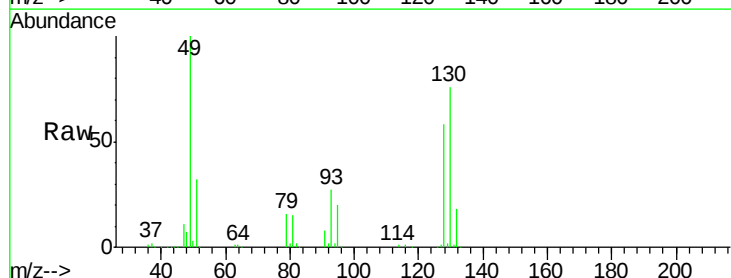
Tgt Ion: 96 Resp: 662130
Ion Ratio Lower Upper
96 100
61 134.5 94.6 175.8
98 61.0 44.3 82.3

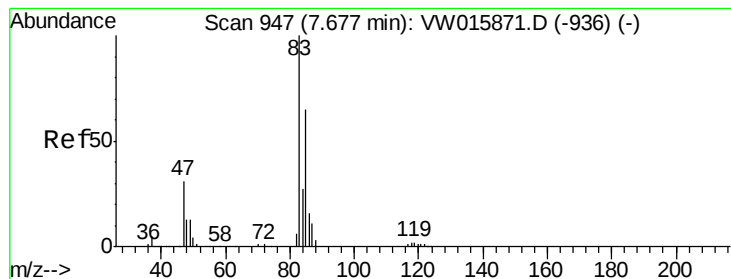


#23

Bromochloromethane
Concen: 106.270 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Tgt Ion: 128 Resp: 290078
Ion Ratio Lower Upper
128 100
49 171.1 122.4 227.2
130 129.9 93.9 174.5
51 54.5 43.2 64.8





#25

Chloroform

Concen: 102.064 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

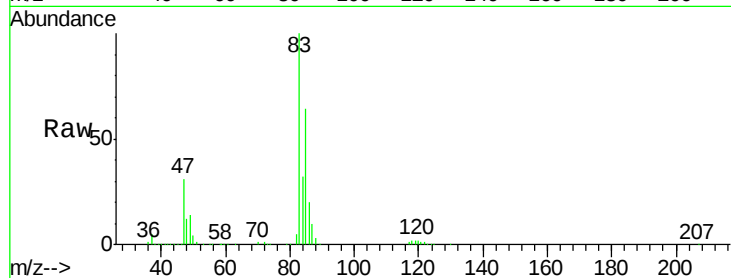
VSTD10004

Tgt Ion: 83 Resp: 1115141

Ion Ratio Lower Upper

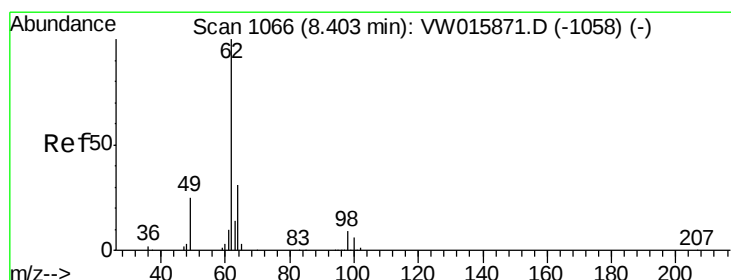
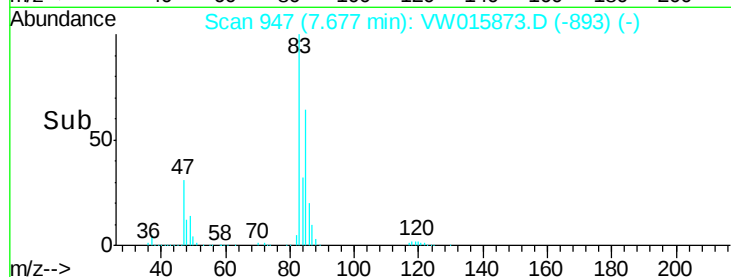
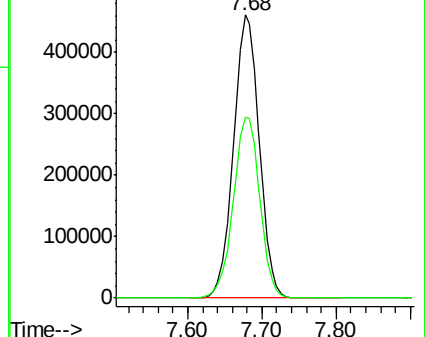
83 100

85 65.9 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: 104.437 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015873.D

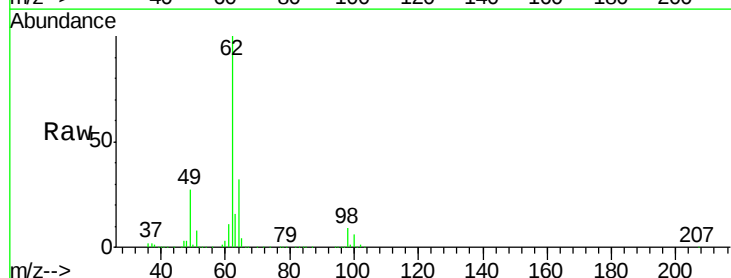
Acq: 20 Jul 2020 12:58

Tgt Ion: 62 Resp: 748727

Ion Ratio Lower Upper

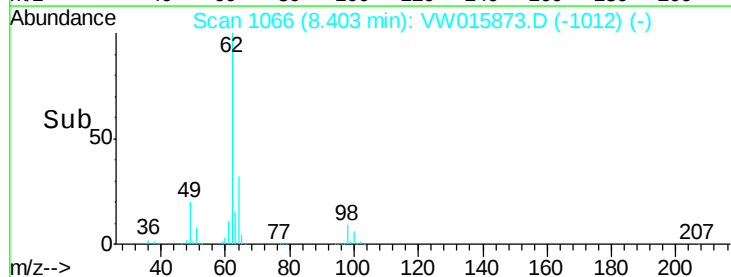
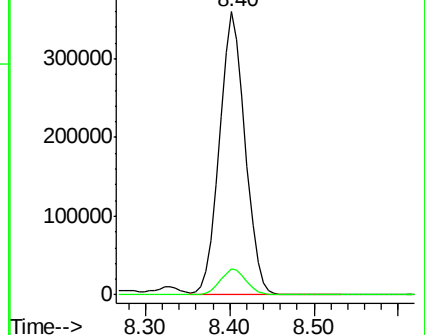
62 100

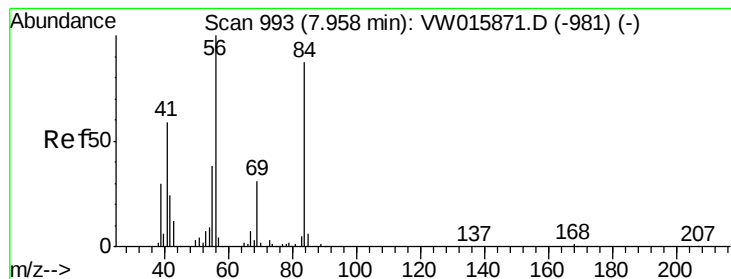
98 9.0 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 123.496 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampled :

VSTD10004

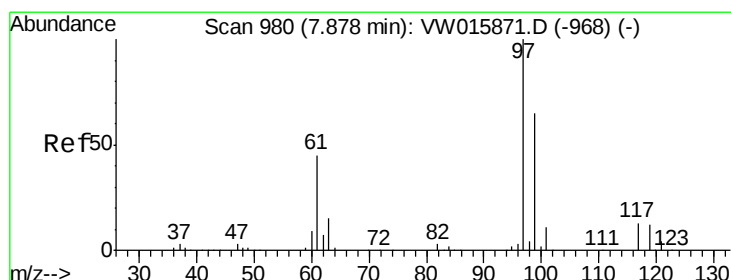
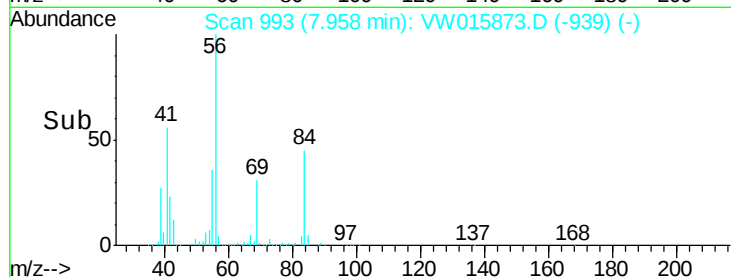
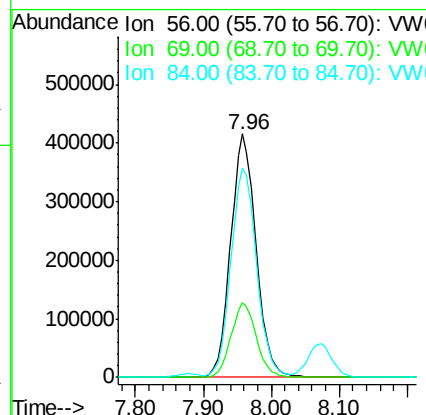
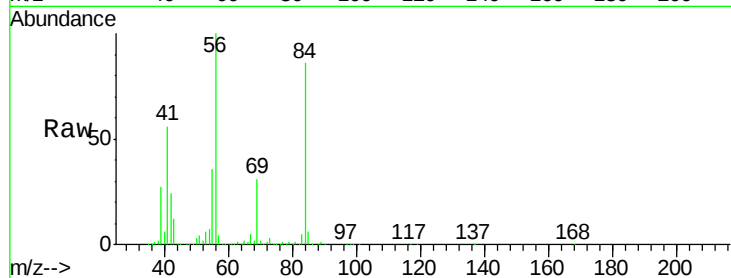
Tgt Ion: 56 Resp: 1072109

Ion Ratio Lower Upper

56 100

69 30.6 24.4 36.6

84 87.0 69.3 103.9



#31

1,1,1-Trichloroethane

Concen: 103.116 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

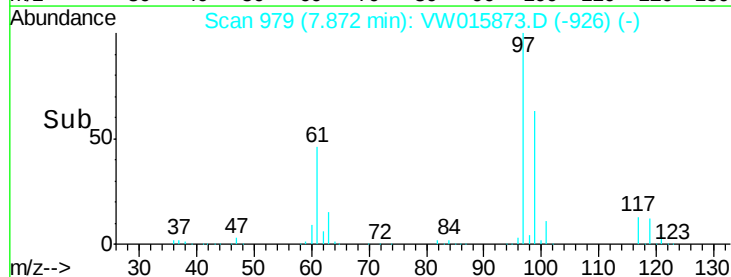
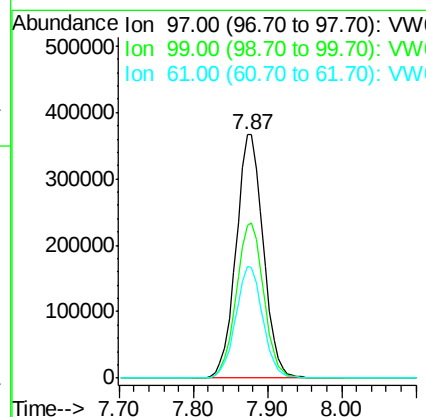
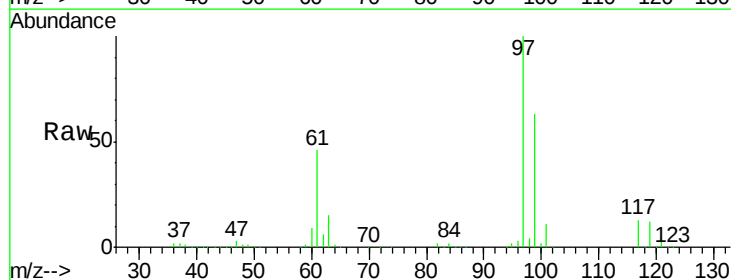
Tgt Ion: 97 Resp: 937936

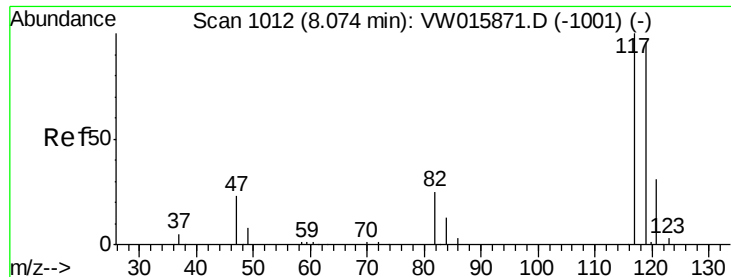
Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

61 45.7 37.6 56.4





#32

Carbon tetrachloride

Concen: 101.940 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

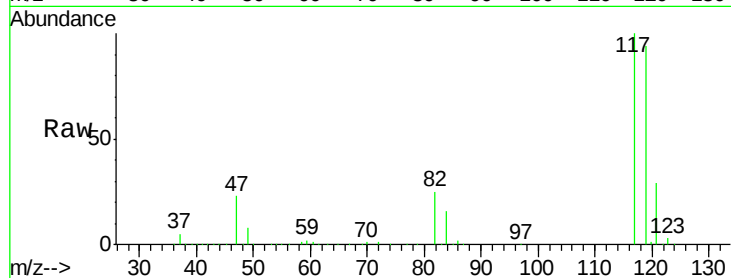
VSTD10004

Tgt Ion:117 Resp: 860372

Ion Ratio Lower Upper

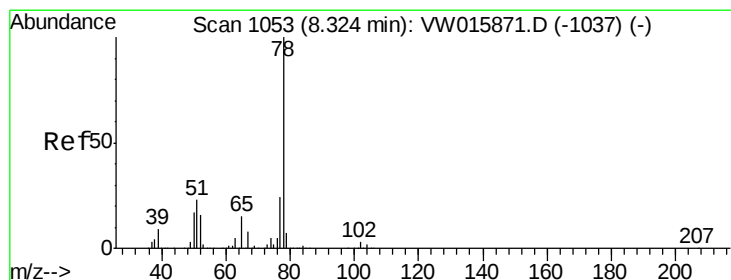
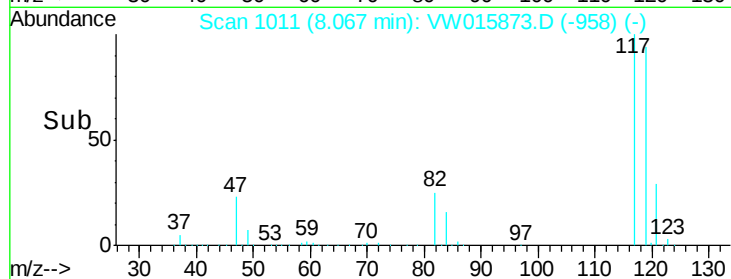
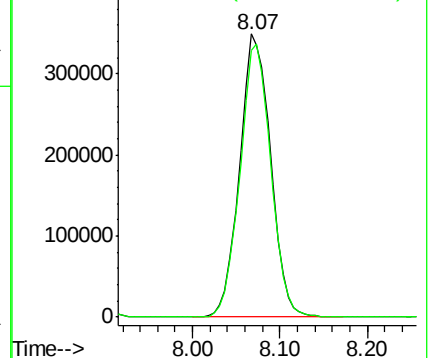
117 100

119 96.1 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: 107.119 ug/L

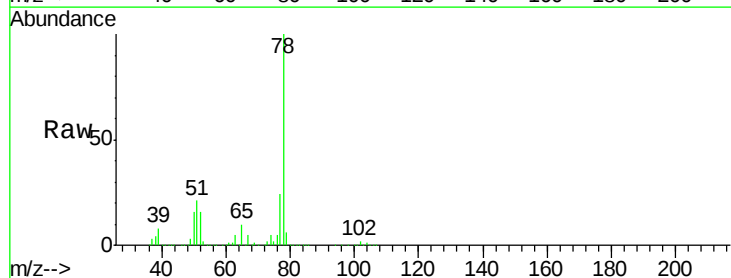
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

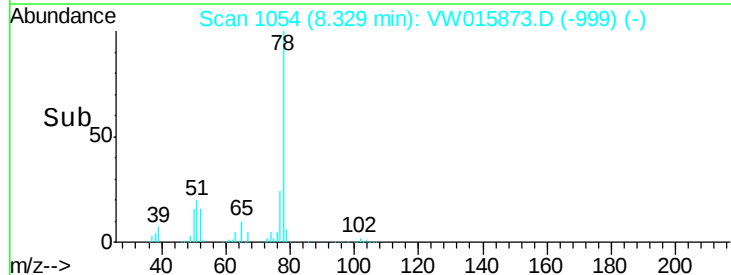
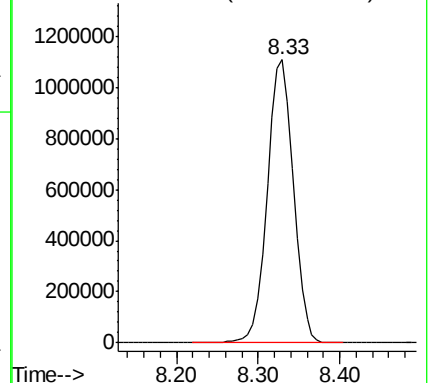
Lab File: VW015873.D

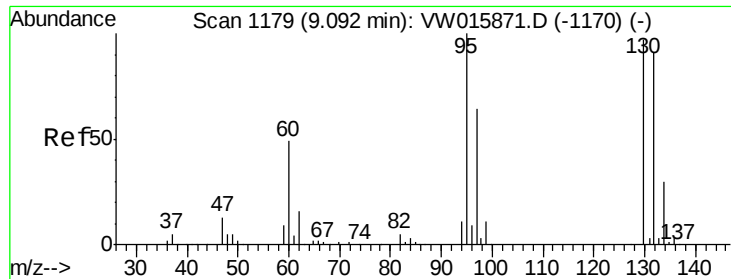
Acq: 20 Jul 2020 12:58

Tgt Ion: 78 Resp: 2465548



Abundance Ion 78.00 (77.70 to 78.70): VW

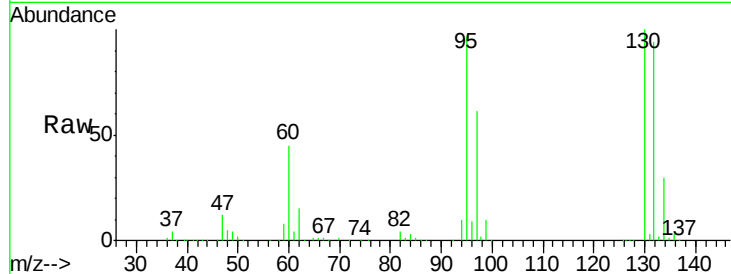




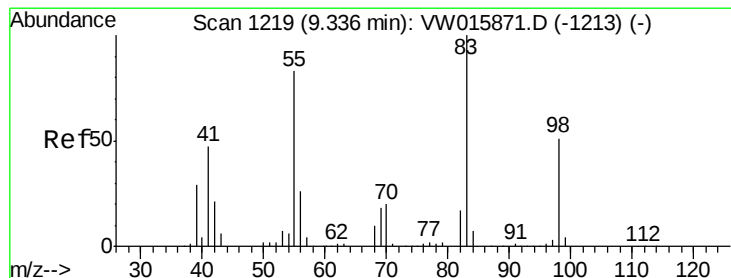
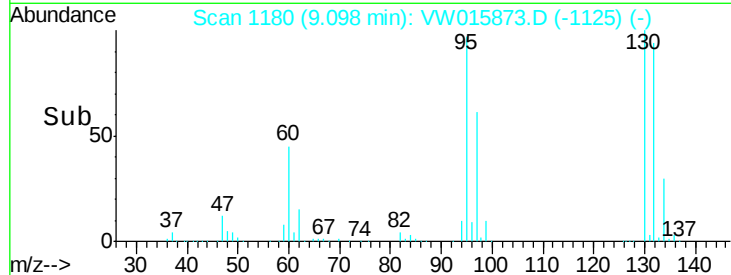
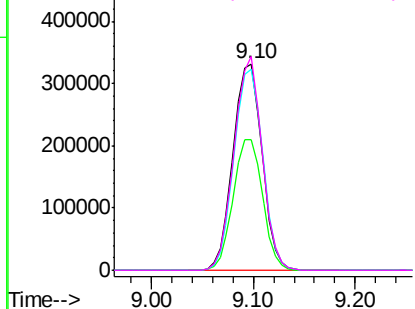
#35
 Trichloroethene
 Concen: 105.404 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10004

Tgt Ion: 95 Resp: 653923
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.4 82.4
 132 96.8 65.1 120.9
 130 99.6 68.6 127.4

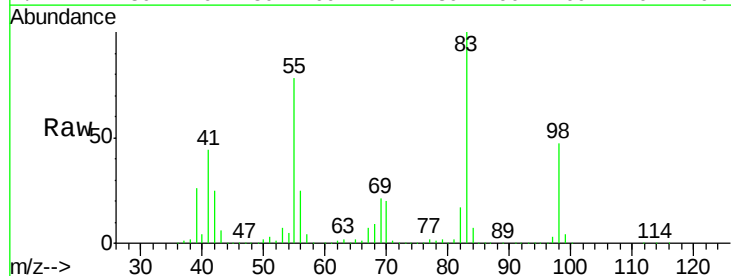


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

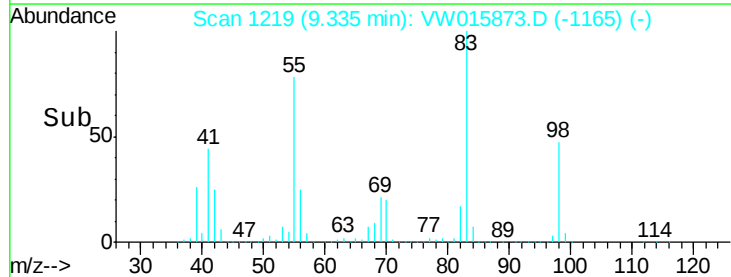
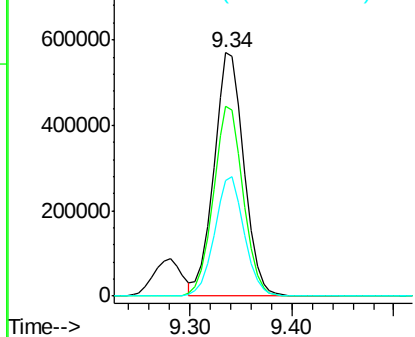


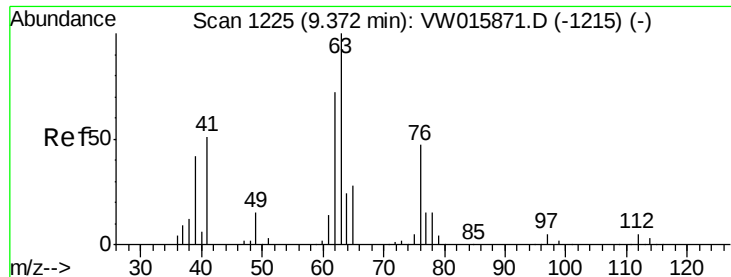
#36
 Methylcyclohexane
 Concen: 109.744 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Tgt Ion: 83 Resp: 1163917
 Ion Ratio Lower Upper
 83 100
 55 77.9 63.5 95.3
 98 48.5 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

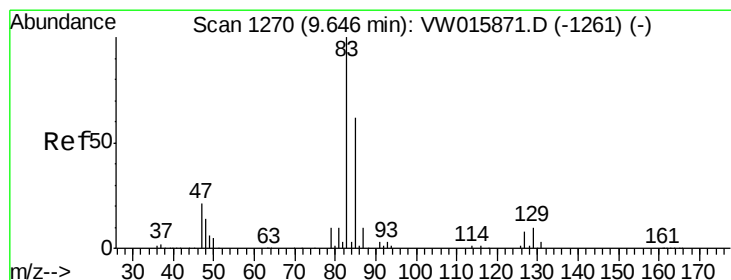
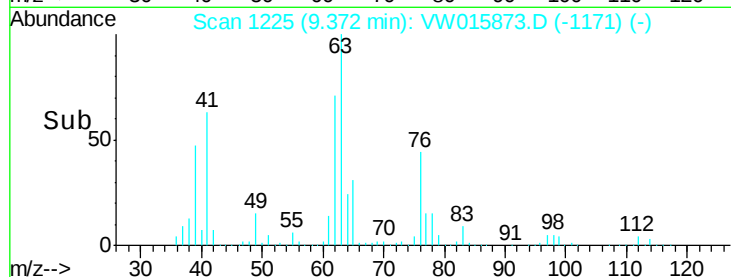
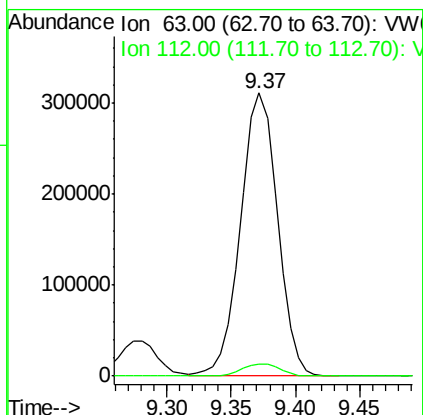
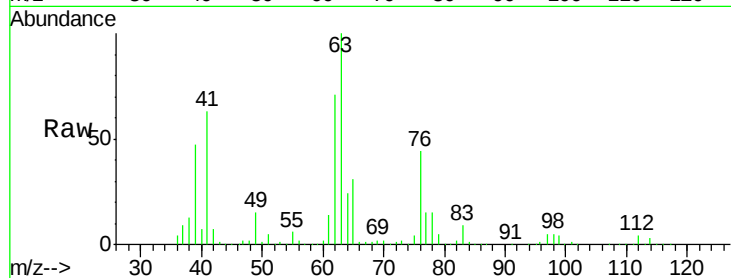




#40
 1,2-Dichloropropane
 Concen: 112.360 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

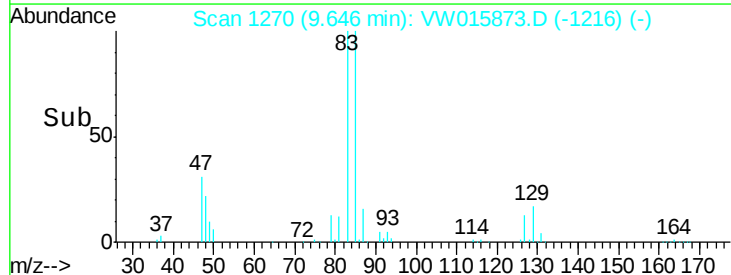
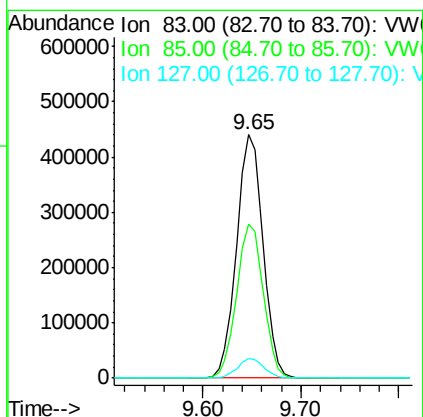
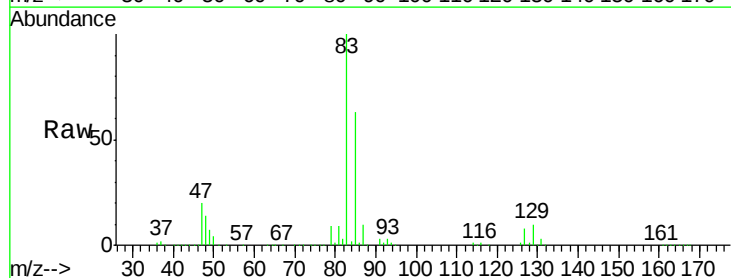
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

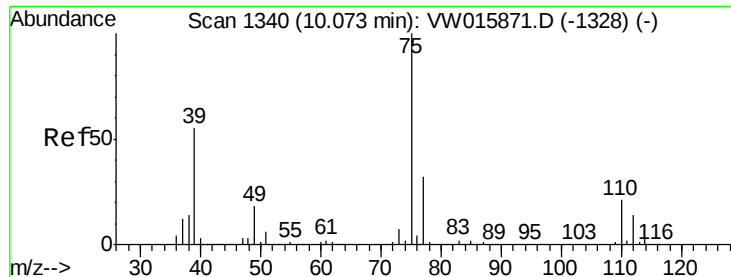
Tgt Ion: 63 Resp: 618814
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#41
 Bromodichloromethane
 Concen: 111.076 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Tgt Ion: 83 Resp: 824582
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.7 81.1
 127 8.3 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 123.697 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

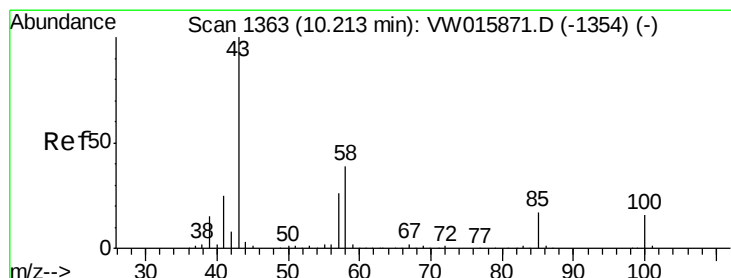
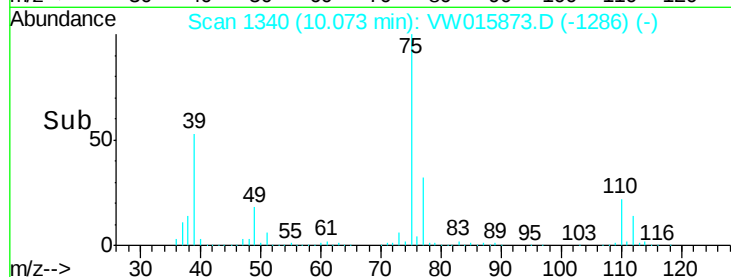
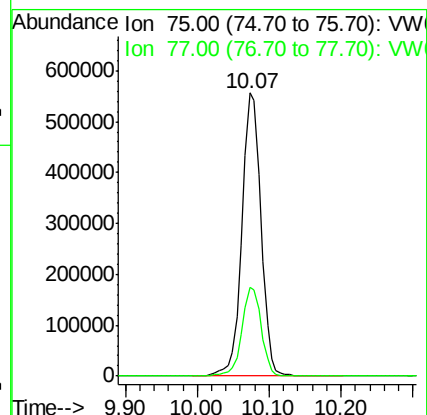
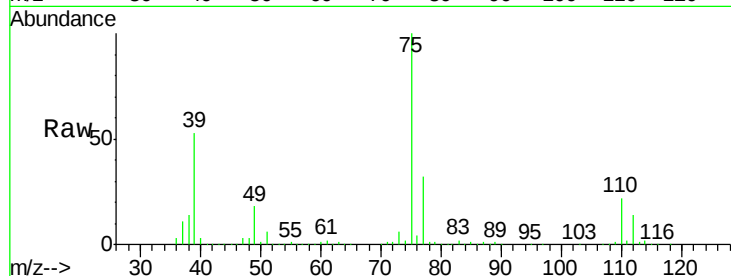
VSTD10004

Tgt Ion: 75 Resp: 1021150

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 300.693 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

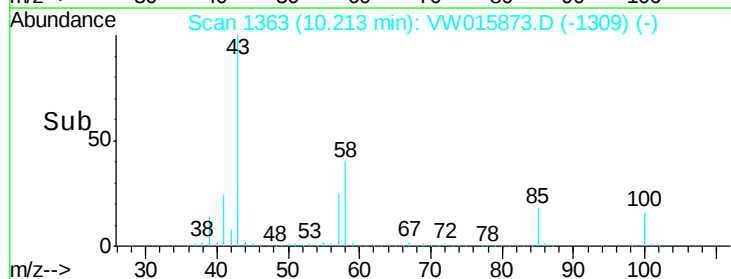
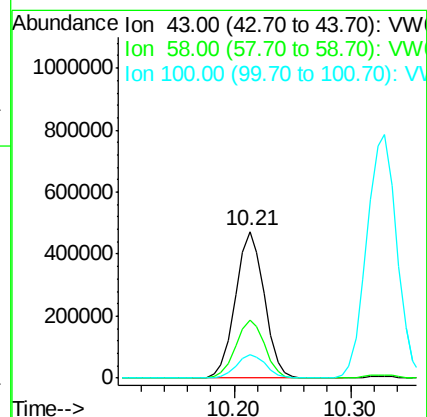
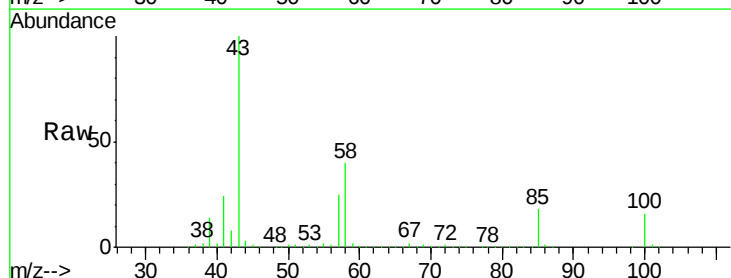
Tgt Ion: 43 Resp: 814454

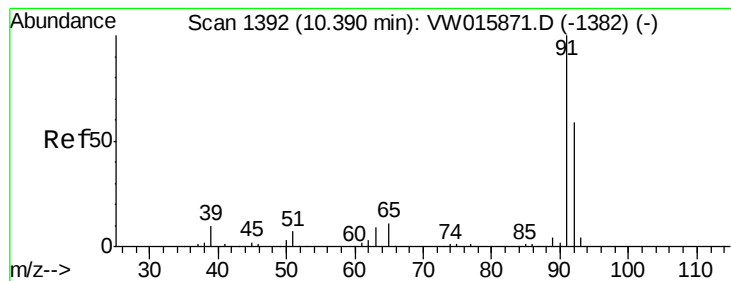
Ion Ratio Lower Upper

43 100

58 39.8 31.0 46.4

100 15.9 12.6 19.0





#44

Toluene

Concen: 102.914 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

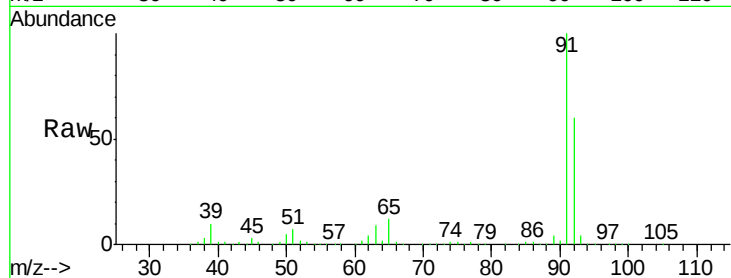
VSTD10004

Tgt Ion: 91 Resp: 2618046

Ion Ratio Lower Upper

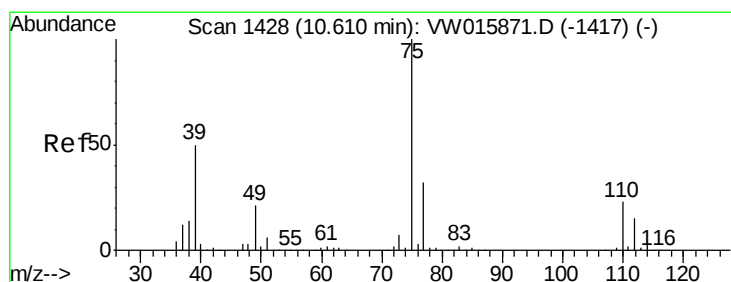
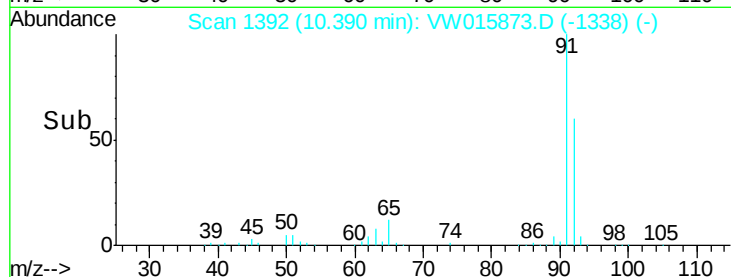
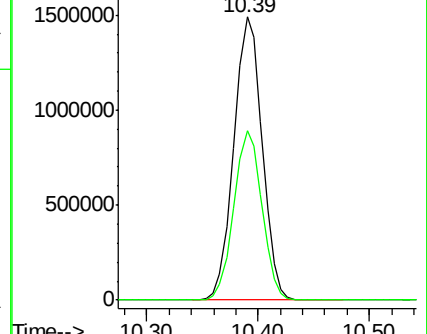
91 100

92 59.8 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: 120.998 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015873.D

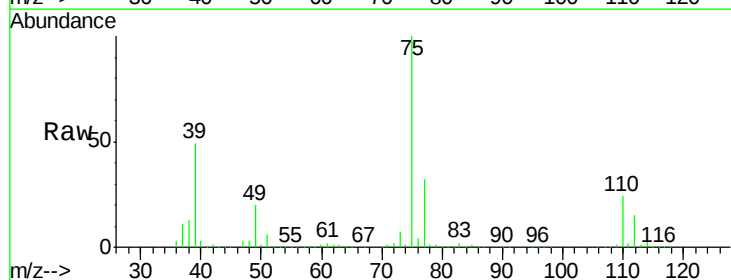
Acq: 20 Jul 2020 12:58

Tgt Ion: 75 Resp: 886489

Ion Ratio Lower Upper

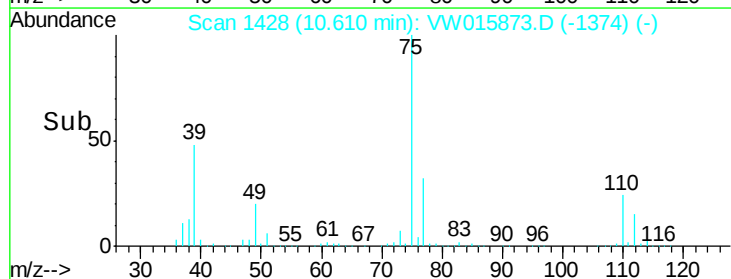
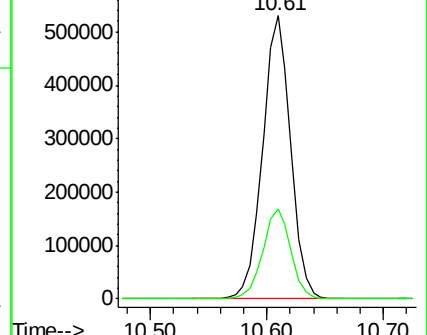
75 100

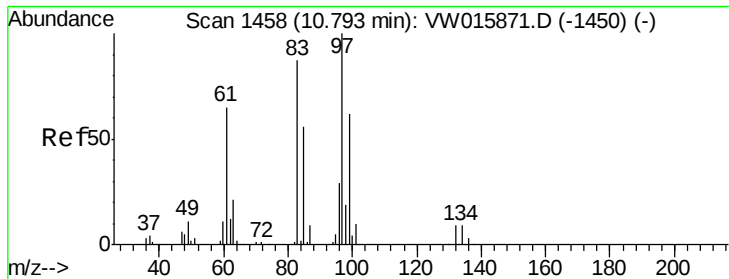
77 31.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

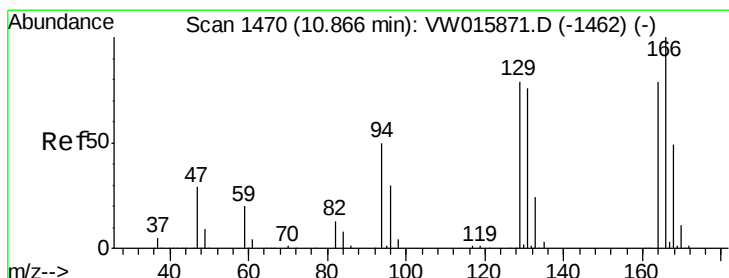
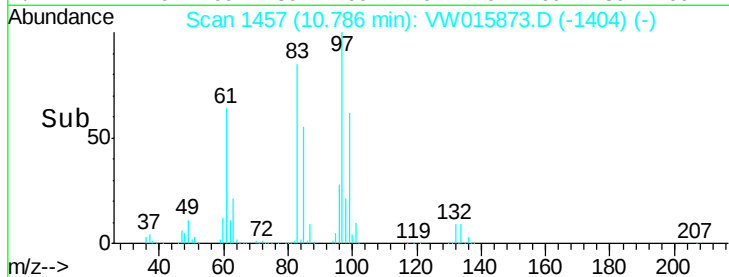
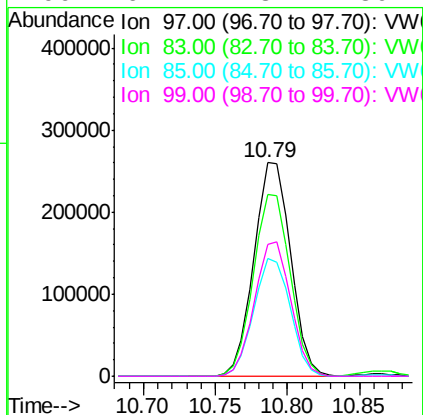
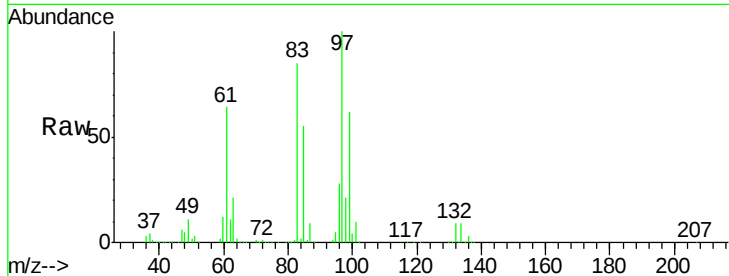




#46
 1,1,2-Trichloroethane
 Concen: 109.453 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

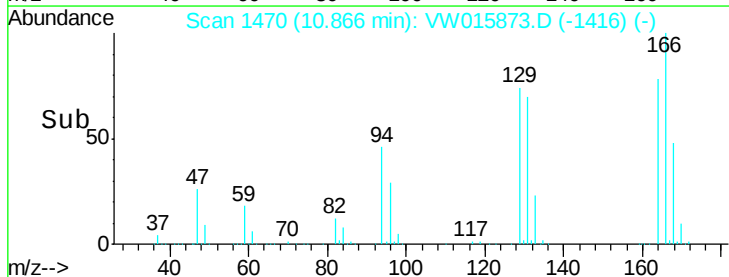
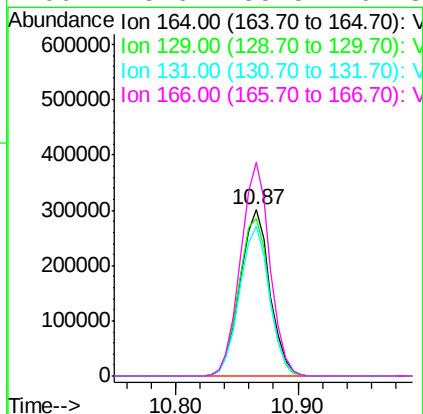
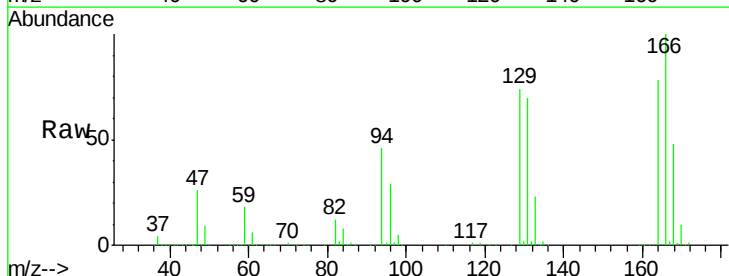
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

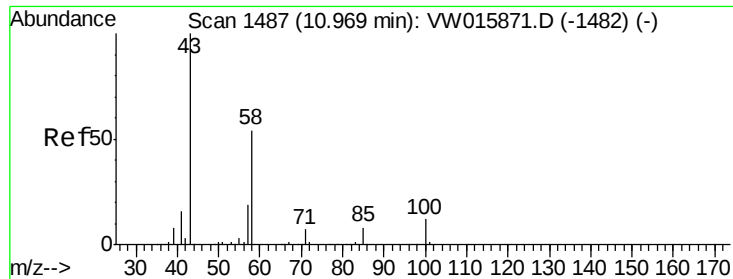
Tgt Ion:	97	Resp:	459609
Ion	Ratio	Lower	Upper
97	100		
83	85.3	60.6	112.6
85	55.1	38.9	72.2
99	61.7	43.1	80.1



#47
 Tetrachloroethene
 Concen: 102.406 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Tgt Ion:	164	Resp:	508761
Ion	Ratio	Lower	Upper
164	100		
129	94.8	70.0	130.0
131	90.0	67.3	124.9
166	128.6	88.5	164.3

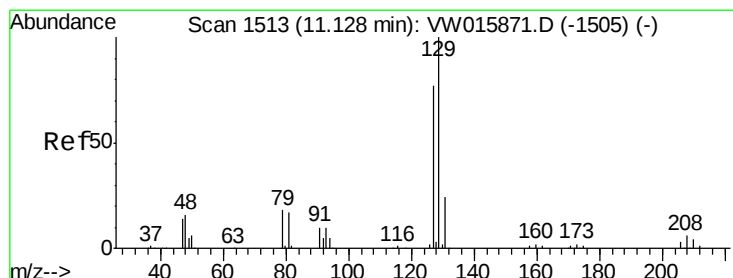
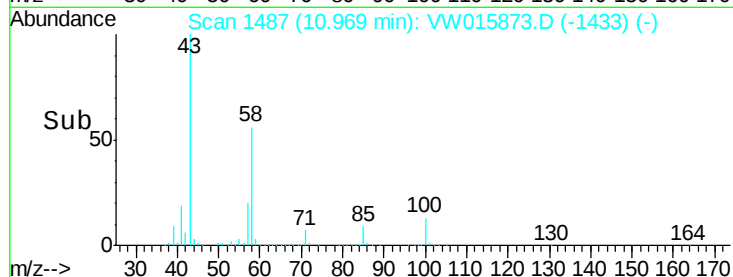
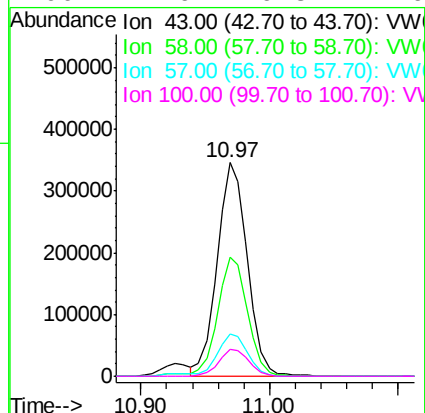
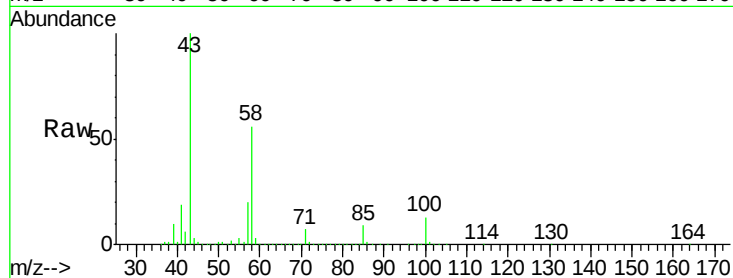




#49
2-Hexanone
Concen: 294.732 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

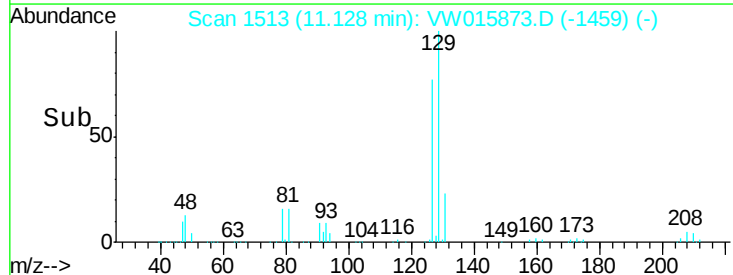
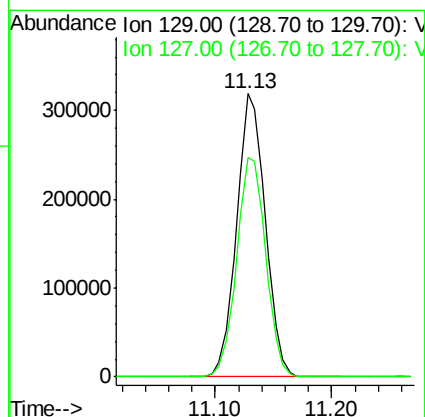
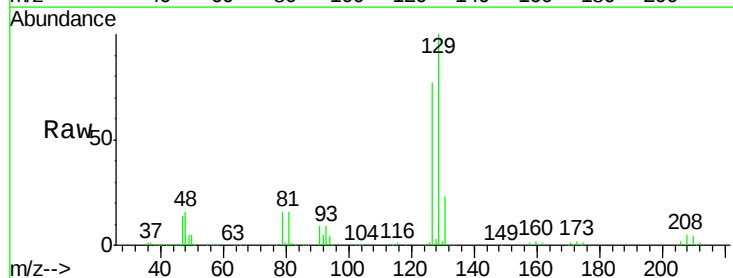
Instrument :
MSVOA_W
ClientSampleId :
VSTD10004

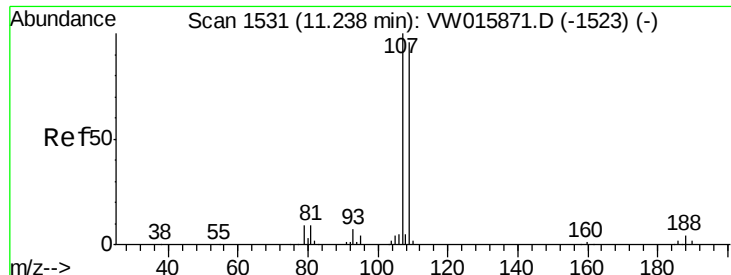
Tgt Ion:	43	Resp:	567909
Ion	Ratio	Lower	Upper
43	100		
58	54.9	42.4	63.6
57	19.7	15.6	23.4
100	12.6	9.8	14.6



#50
Dibromochloromethane
Concen: 110.228 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Tgt Ion:	129	Resp:	547751
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.8	100.0

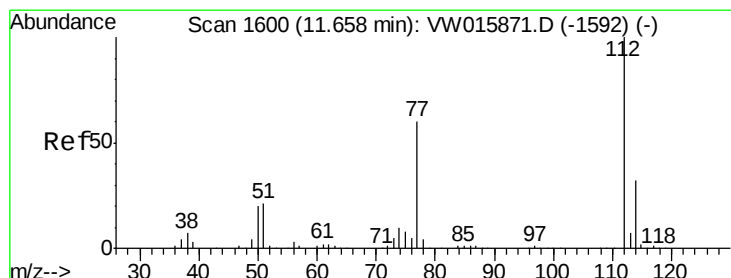
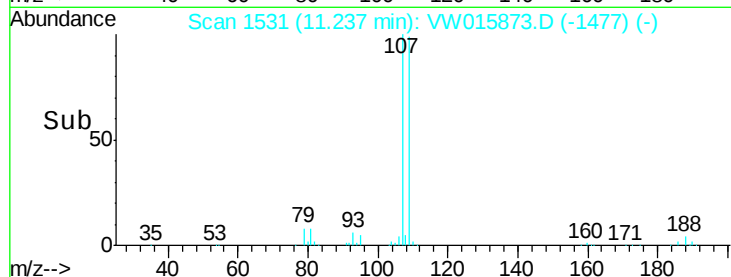
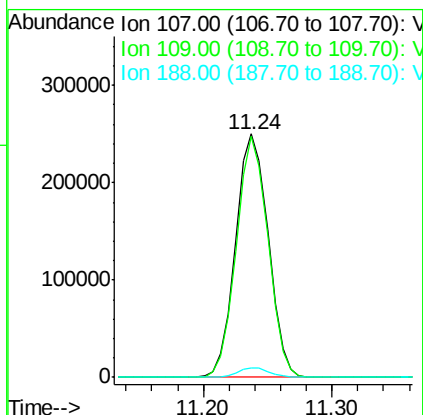
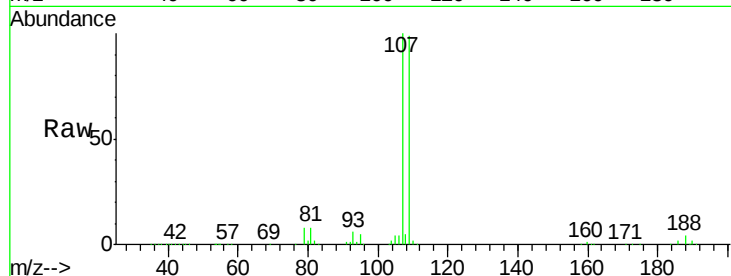




#51
1,2-Dibromoethane
Concen: 111.244 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

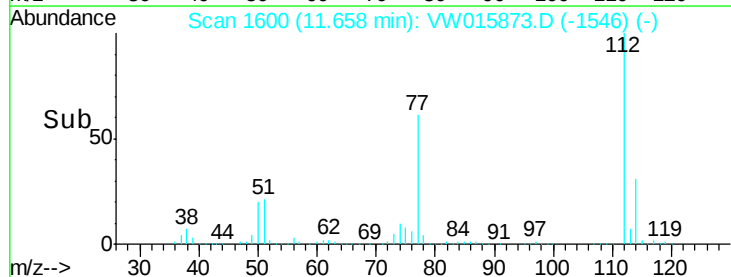
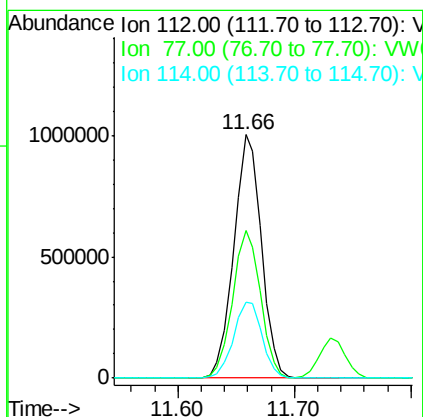
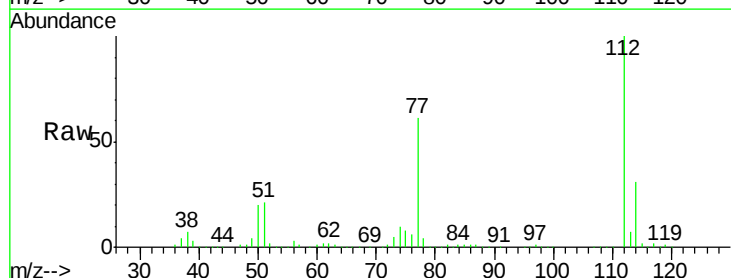
Instrument :
MSVOA_W
ClientSampleId :
VSTD10004

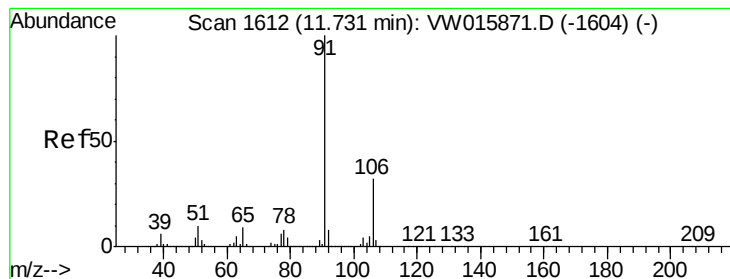
Tgt Ion:107 Resp: 440687
Ion Ratio Lower Upper
107 100
109 98.8 66.9 124.3
188 4.0 3.2 4.8



#52
Chlorobenzene
Concen: 99.540 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Tgt Ion:112 Resp: 1655824
Ion Ratio Lower Upper
112 100
77 60.6 47.8 71.6
114 31.3 22.1 41.1





#53

Ethylbenzene

Concen: 104.369 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

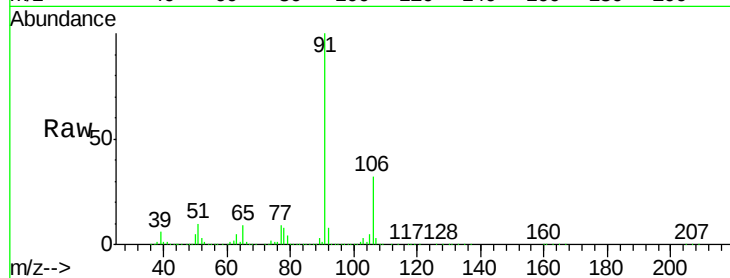
VSTD10004

Tgt Ion: 91 Resp: 2995385

Ion Ratio Lower Upper

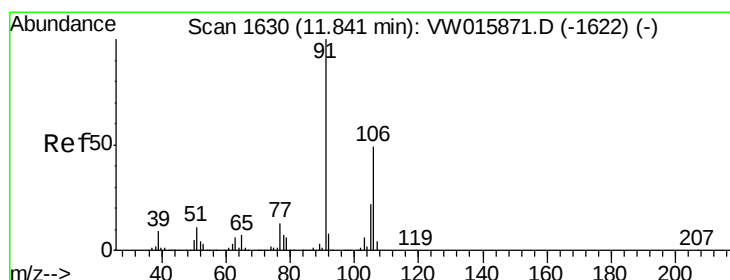
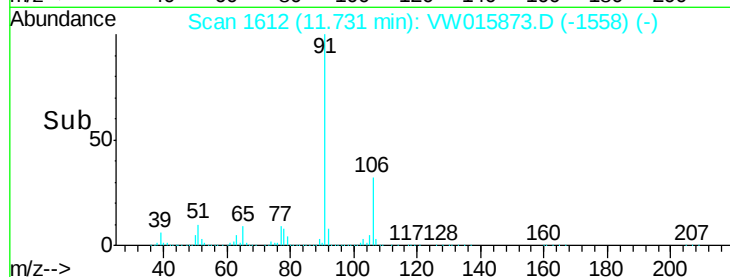
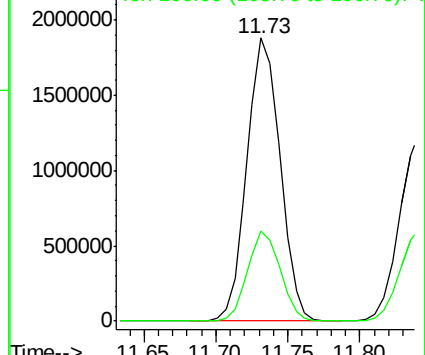
91 100

106 32.0 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: 103.727 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015873.D

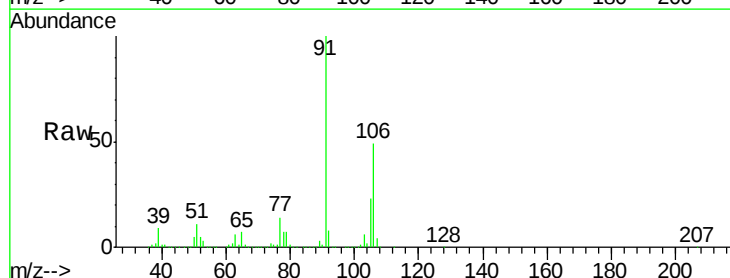
Acq: 20 Jul 2020 12:58

Tgt Ion: 106 Resp: 1135502

Ion Ratio Lower Upper

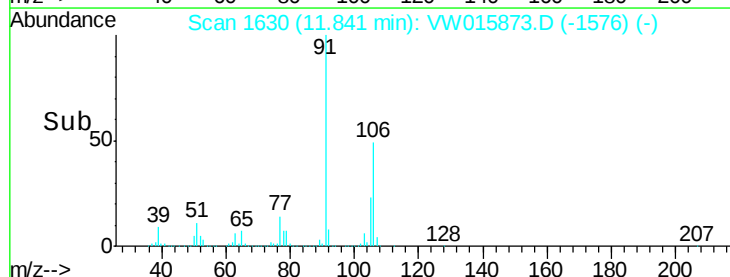
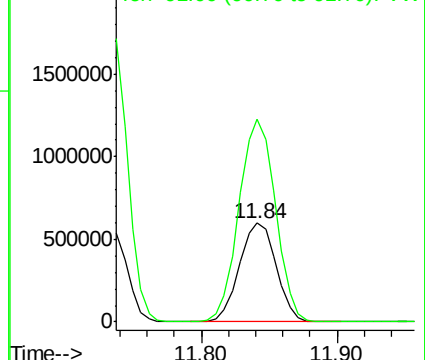
106 100

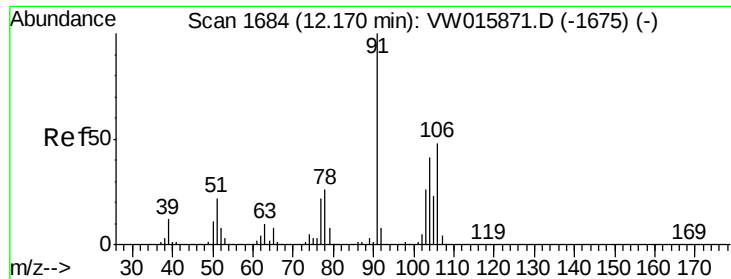
91 205.4 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

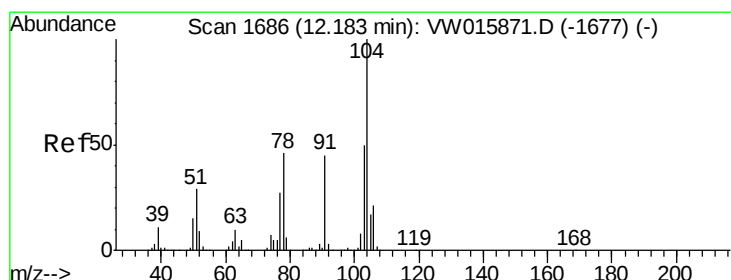
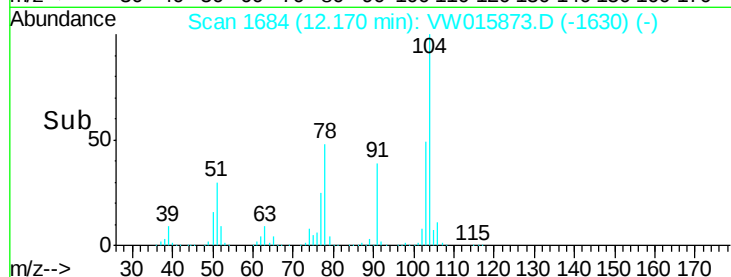
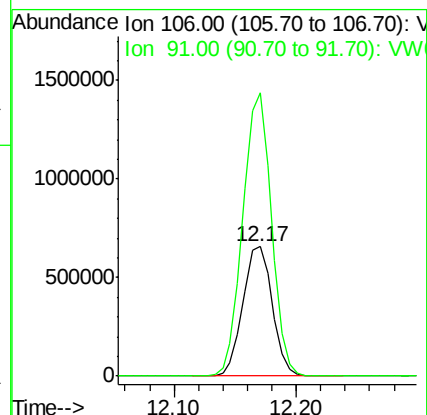
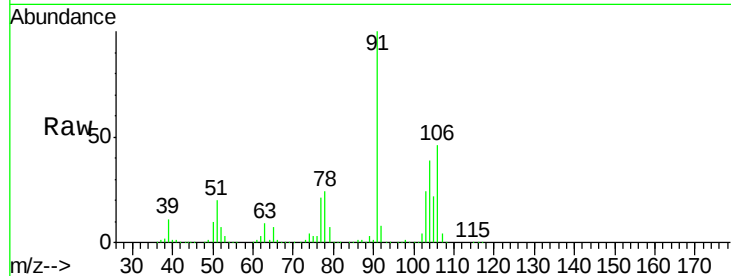




#55
o-xylene
Concen: 105.870 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

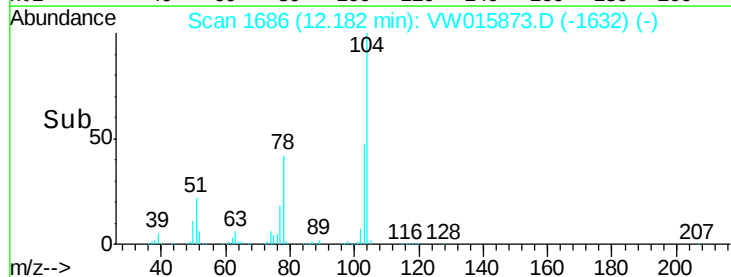
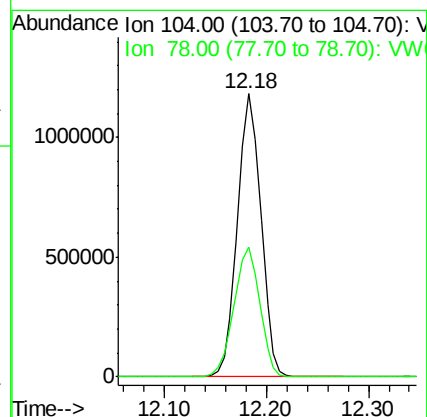
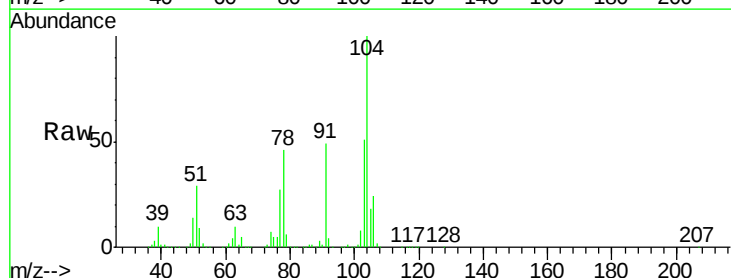
Instrument :
MSVOA_W
ClientSampled :
VSTD10004

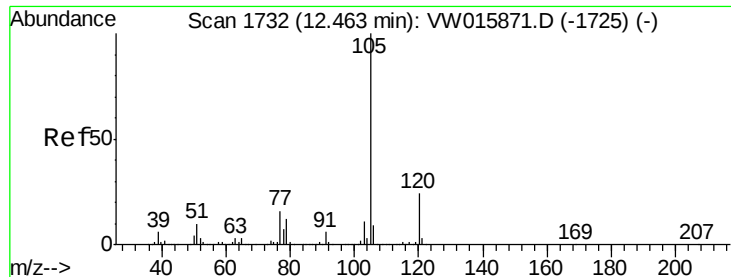
Tgt Ion:106 Resp: 1095746
Ion Ratio Lower Upper
106 100
91 218.7 146.8 272.6



#56
Styrene
Concen: 107.506 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015873.D
Acq: 20 Jul 2020 12:58

Tgt Ion:104 Resp: 1881020
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#57

Isopropylbenzene

Concen: 103.058 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

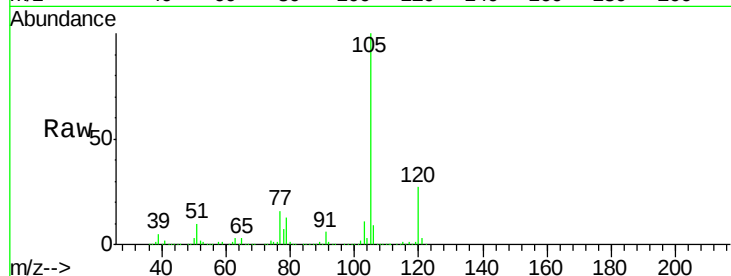
Tgt Ion:105 Resp: 2934679

Ion Ratio Lower Upper

105 100

120 26.4 20.4 30.6

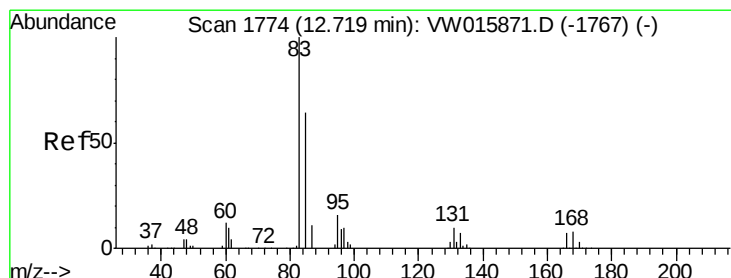
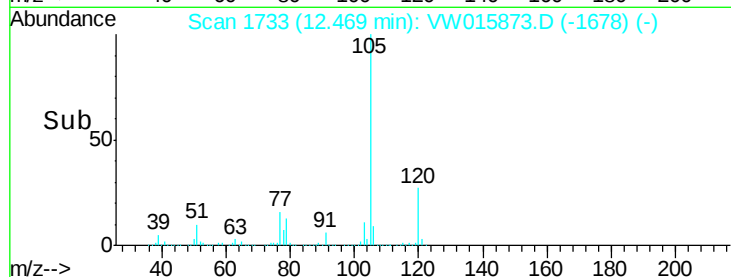
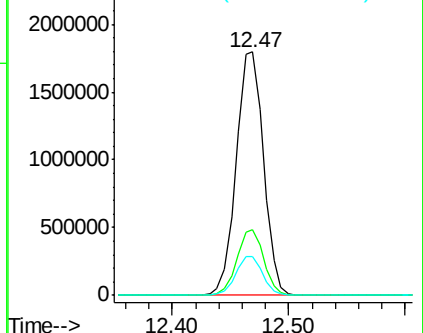
77 15.8 12.9 19.3



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: 114.052 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

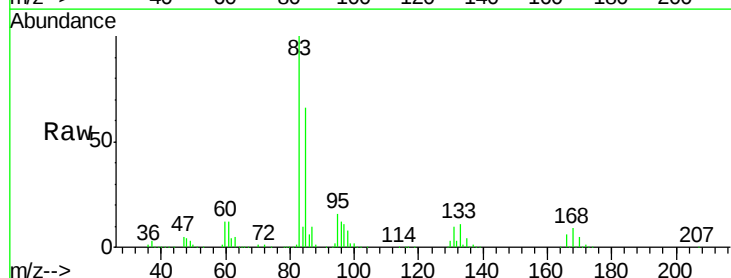
Tgt Ion: 83 Resp: 547366

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7

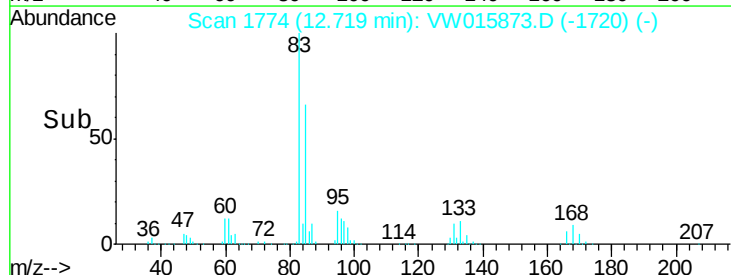
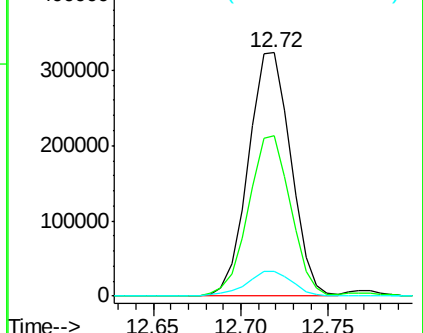
131 10.0 8.2 12.4

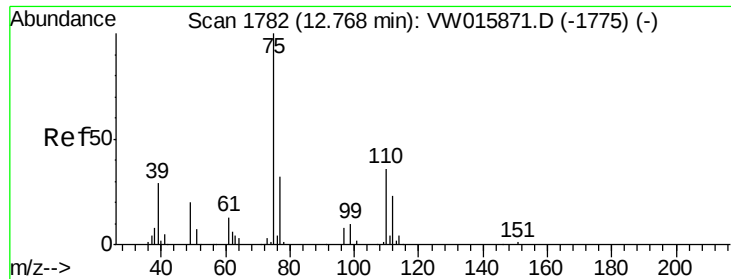


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

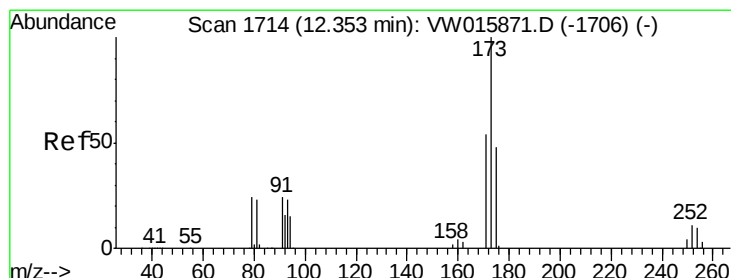
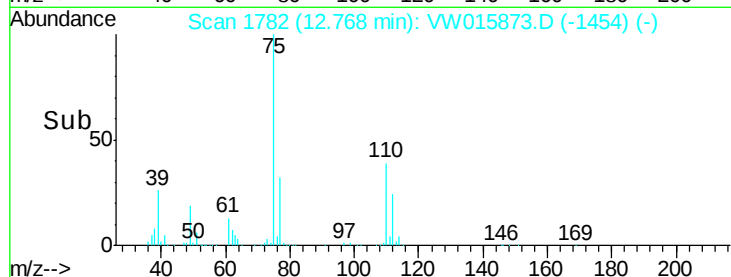
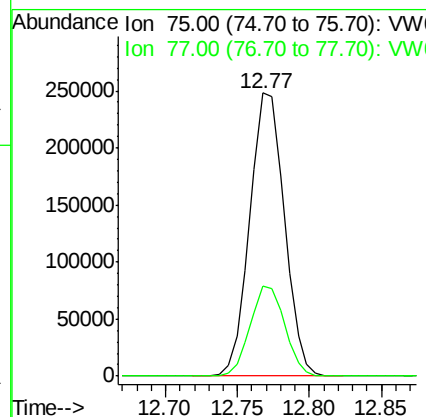
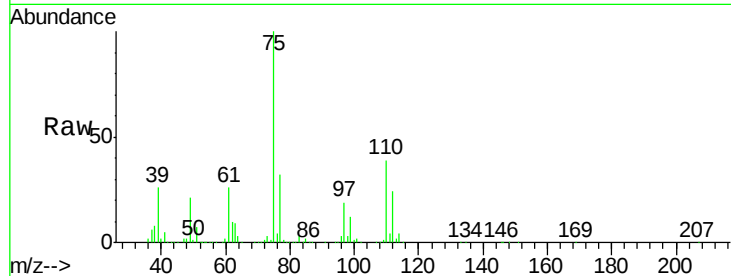




#59
 1,2,3-Trichloropropane
 Concen: 116.806 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

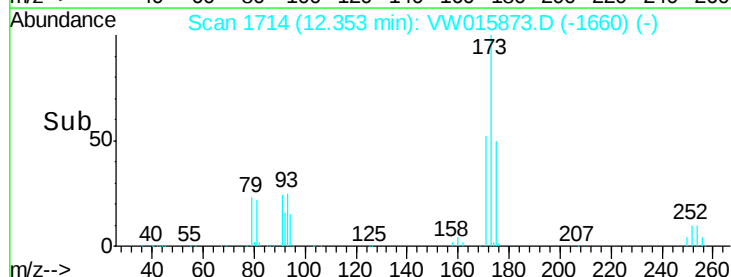
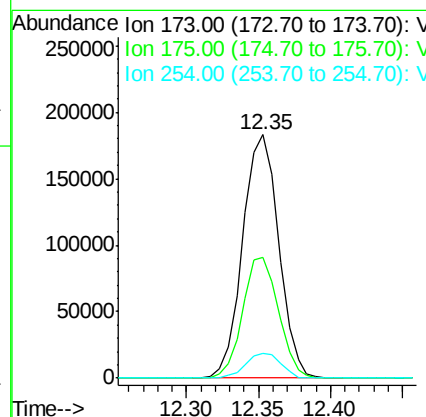
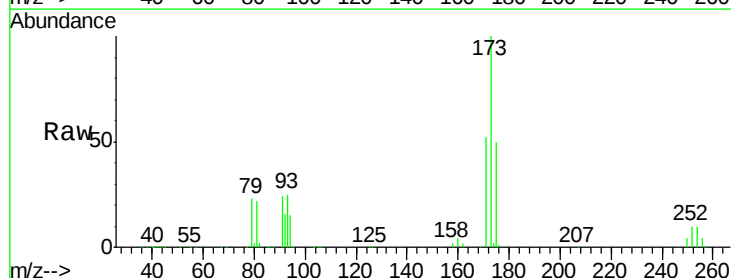
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

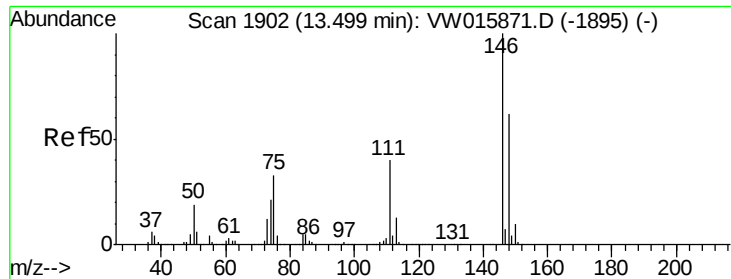
Tgt Ion: 75 Resp: 412180
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.0 39.0



#62
 Bromoform
 Concen: 119.885 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Tgt Ion: 173 Resp: 317849
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.7 58.1
 254 9.9 7.9 11.9

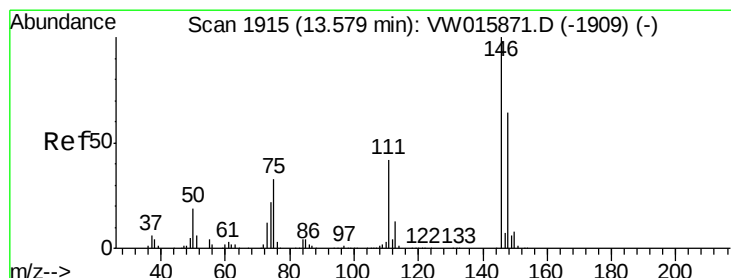
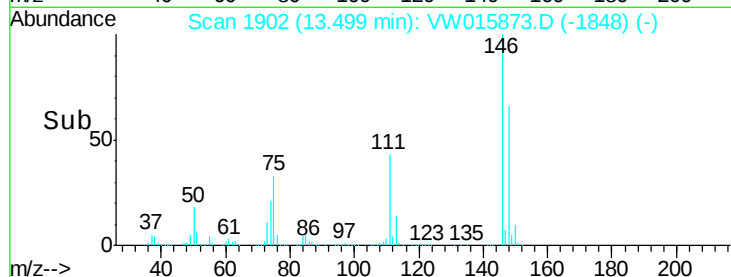
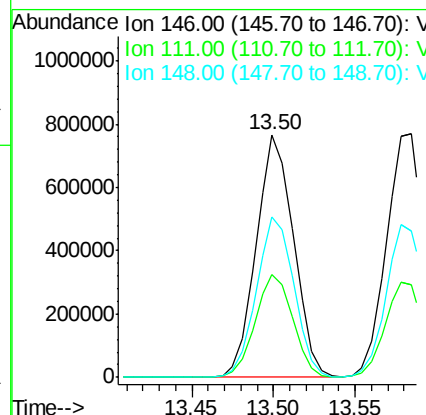
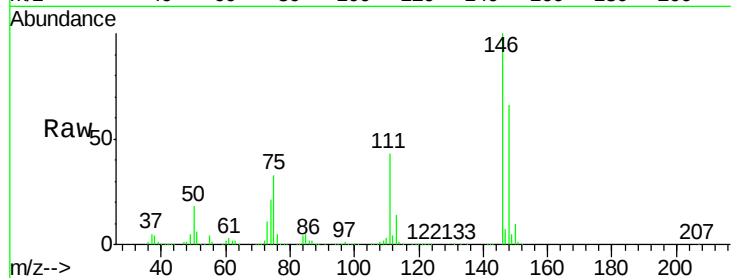




#63
 1,3-Dichlorobenzene
 Concen: 100.988 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

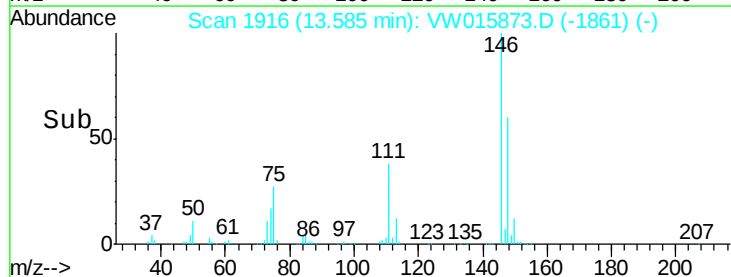
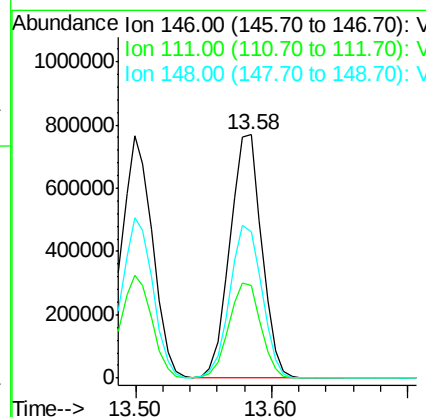
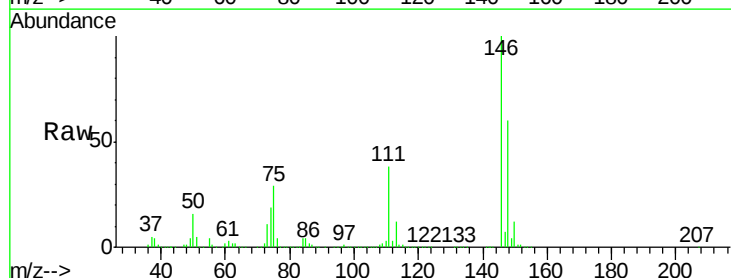
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

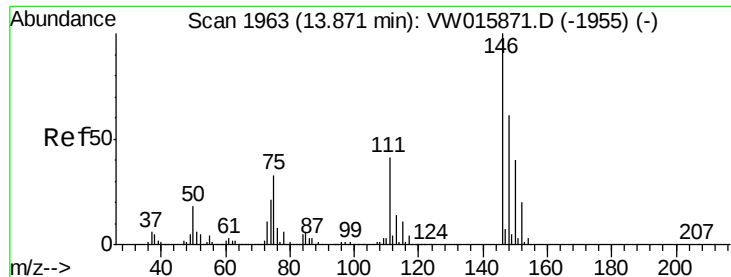
Tgt Ion:146 Resp: 1223941
 Ion Ratio Lower Upper
 146 100
 111 42.6 27.9 51.7
 148 66.1 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 101.974 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Tgt Ion:146 Resp: 1253184
 Ion Ratio Lower Upper
 146 100
 111 37.8 29.3 54.3
 148 60.1 44.5 82.7

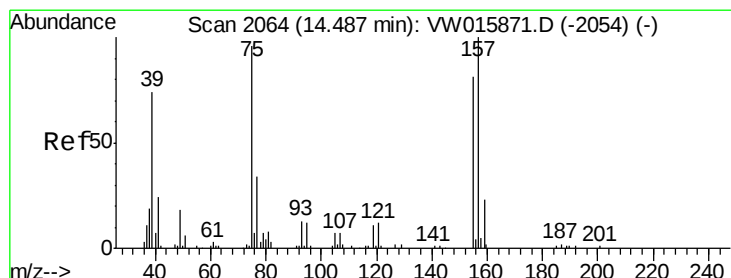
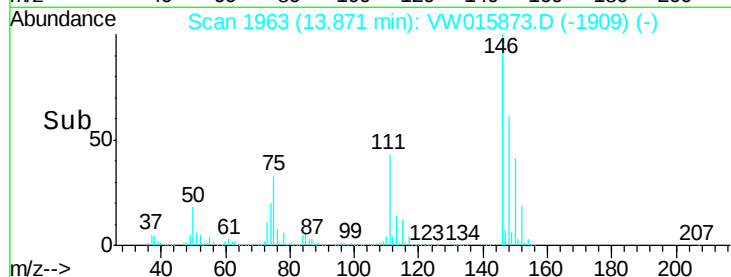
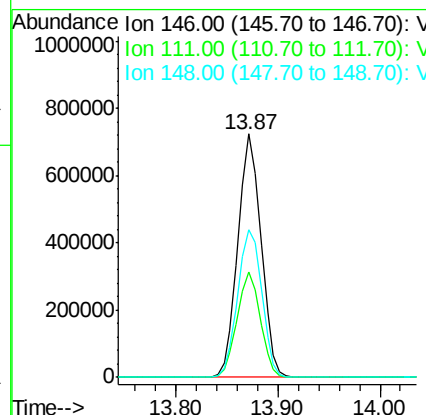
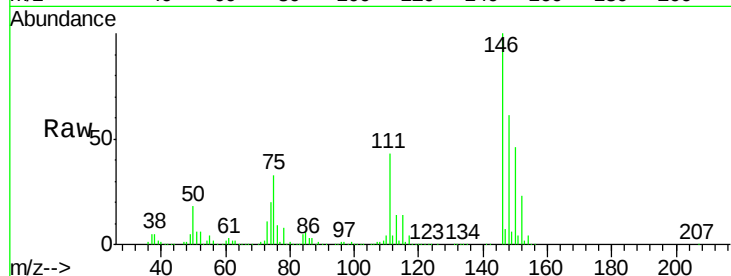




#65
 1,2-Dichlorobenzene
 Concen: 102.218 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

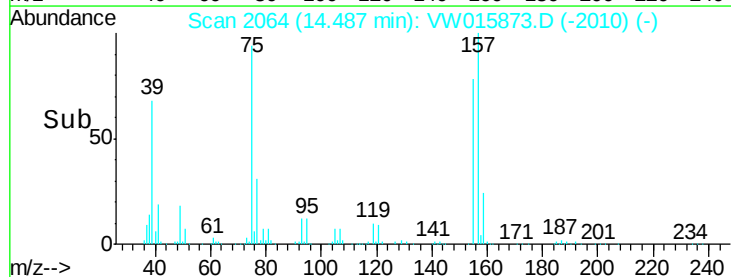
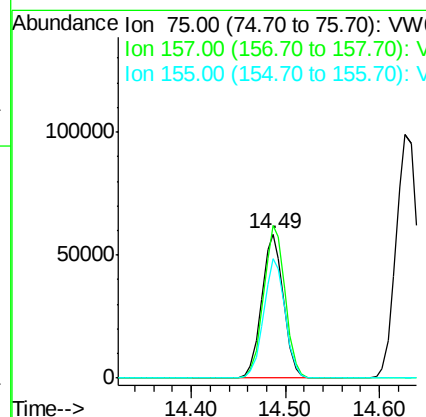
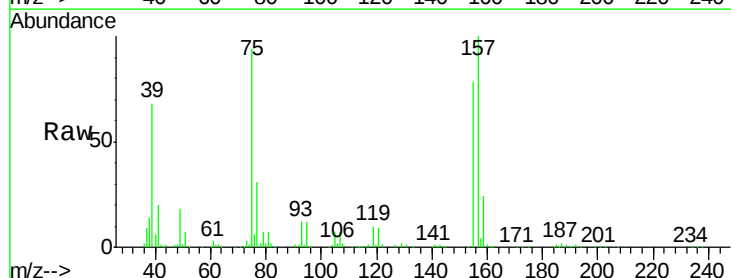
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10004

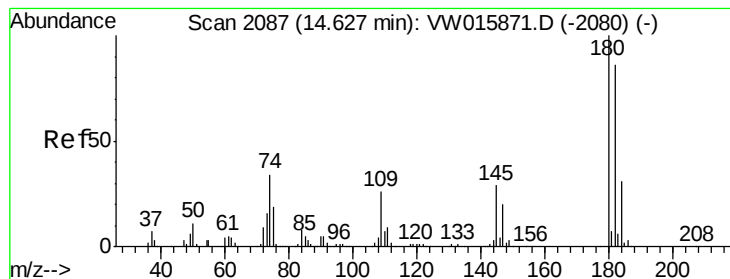
Tgt Ion:146 Resp: 1135513
 Ion Ratio Lower Upper
 146 100
 111 43.3 32.9 49.3
 148 60.5 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 133.618 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015873.D
 Acq: 20 Jul 2020 12:58

Tgt Ion: 75 Resp: 95245
 Ion Ratio Lower Upper
 75 100
 157 105.9 83.0 124.4
 155 82.6 66.9 100.3





#67

1,3,5-Trichlorobenzene

Concen: 109.197 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

Tgt Ion:180 Resp: 895322

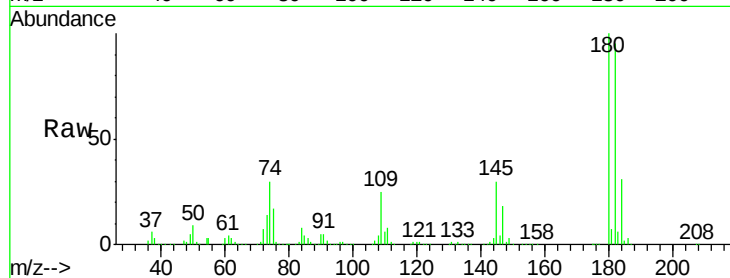
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.0

184 30.4 24.6 37.0

145 30.4 24.1 36.1

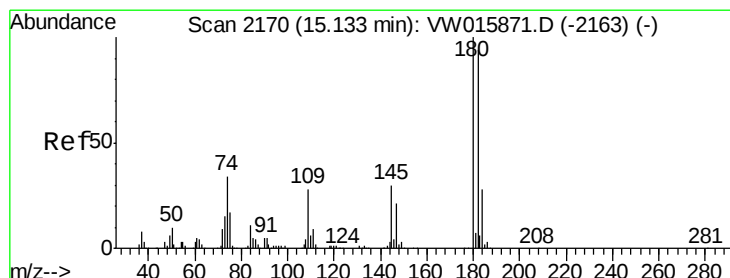
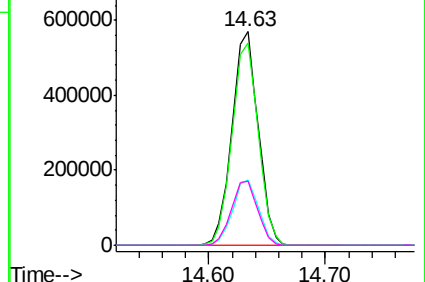
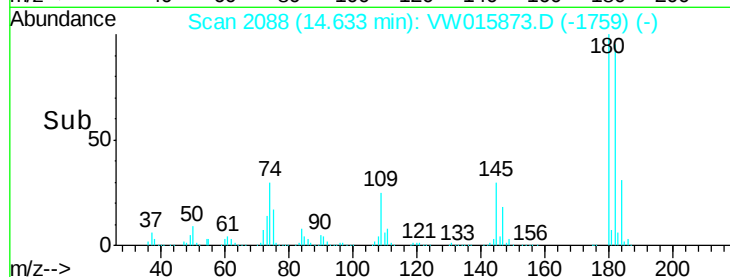


Abundance Ion 180.00 (179.70 to 180.70): V

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: 118.538 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

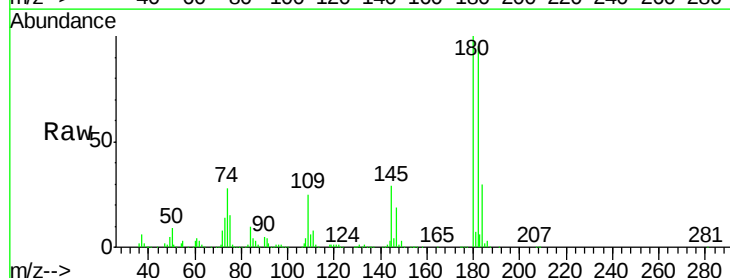
Tgt Ion:180 Resp: 762147

Ion Ratio Lower Upper

180 100

182 96.8 76.0 114.0

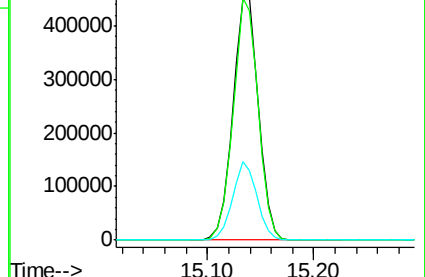
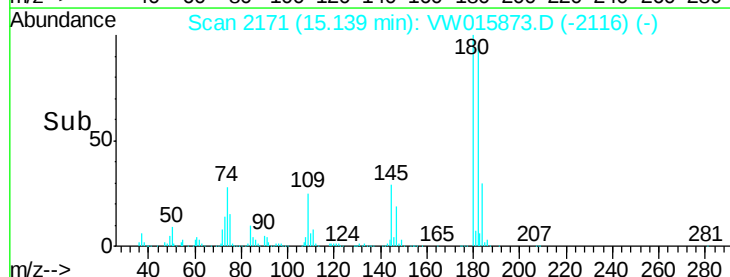
145 30.8 24.3 36.5

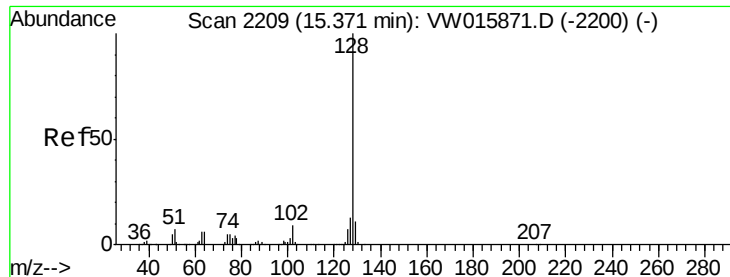


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 135.848 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD10004

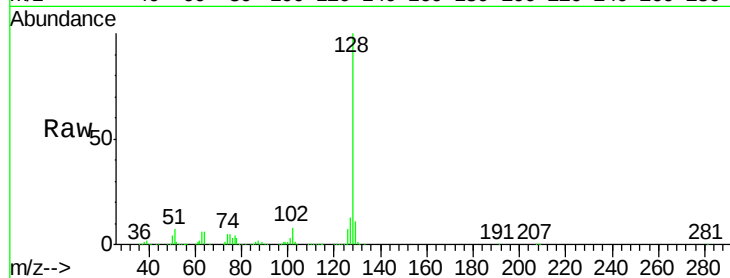
Tgt Ion:128 Resp: 1564052

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

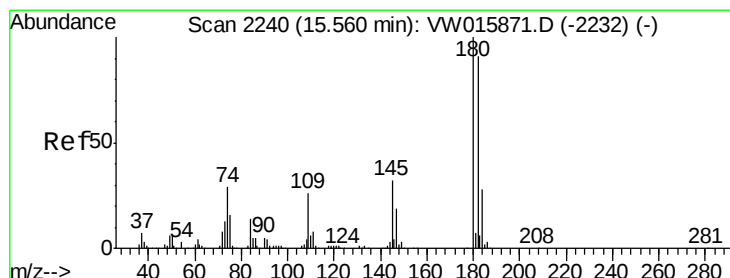
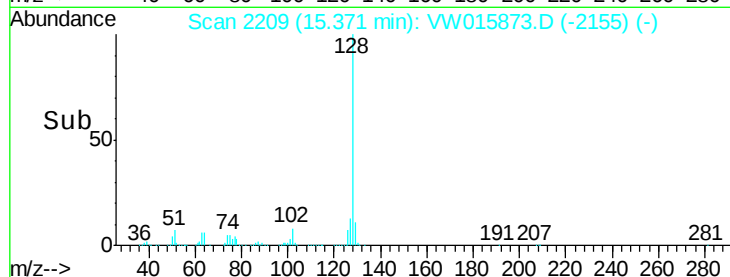
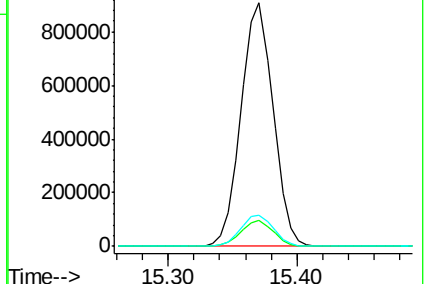
127 13.0 10.5 15.7



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: 115.119 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015873.D

Acq: 20 Jul 2020 12:58

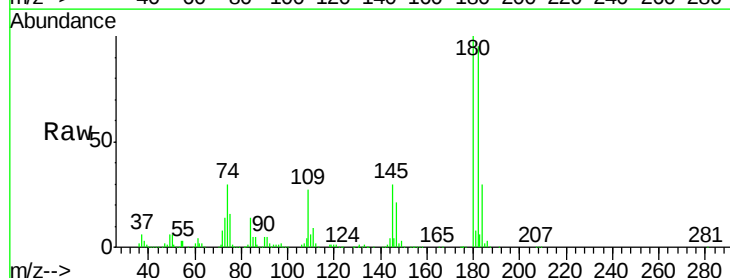
Tgt Ion:180 Resp: 664557

Ion Ratio Lower Upper

180 100

182 96.1 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

