

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072020\
 Data File : VW015871.D
 Acq On : 20 Jul 2020 12:10
 Operator : SY/VA
 Sample : VSTD02502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Quant Time: Jul 20 12:49:21 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	433275	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	394857	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181822	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	139620	19.33	ug/L	0.00
7) Chloroethane-d5	2.89	69	119889	16.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	296027	27.71	ug/L	0.00
20) 2-Butanone-d5	7.09	46	69759	56.42	ug/L	0.00
24) Chloroform-d	7.65	84	291288	24.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	154356	24.18	ug/L	0.00
29) Benzene-d6	8.27	84	570182	25.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	168004	26.28	ug/L	0.00
37) Toluene-d8	10.32	98	520451	24.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	70667	25.69	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	53845	57.15	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126561	24.74	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	171066	24.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	93631	29.930 ug/L	100
3) Chloromethane	2.21	50	103066	22.031 ug/L	100
5) Vinyl chloride	2.37	62	175146	21.972 ug/L	100
6) Bromomethane	2.79	94	101685	14.992 ug/L	100
8) Chloroethane	2.93	64	104501	18.736 ug/L	100
9) Trichlorofluoromethane	3.26	101	119456	16.177 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	146674	28.915 ug/L	100
12) 1,1-Dichloroethene	4.04	96	142482	29.646 ug/L	100
13) Acetone	4.14	43	57871	59.476 ug/L	100
14) Carbon disulfide	4.38	76	449129	28.745 ug/L	100
15) Methyl Acetate	4.68	43	58850	30.136 ug/L	100
16) Methylene chloride	4.92	84	158909	26.671 ug/L	100
17) Methyl tert-butyl Ether	5.43	73	198712	27.674 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	151899	26.778 ug/L	100
19) 1,1-Dichloroethane	6.22	63	280250	28.073 ug/L	100
21) 2-Butanone	7.18	43	77636	60.073 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	159348	26.690 ug/L	100
23) Bromochloromethane	7.52	128	69254	26.064 ug/L	100
25) Chloroform	7.68	83	277620	26.104 ug/L	100
27) 1,2-Dichloroethane	8.40	62	186116	26.670 ug/L	100
30) Cyclohexane	7.96	56	261865	30.908 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	239621	26.993 ug/L	100
32) Carbon tetrachloride	8.07	117	217722	26.432 ug/L	100
34) Benzene	8.32	78	620336	27.616 ug/L	100
35) Trichloroethene	9.09	95	163201	26.954 ug/L	100
36) Methylcyclohexane	9.34	83	287493	27.776 ug/L	100
40) 1,2-Dichloropropane	9.37	63	152683	28.407 ug/L	100
41) Bromodichloromethane	9.65	83	197131	27.209 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	233286	28.956 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	167334	63.302 ug/L	100

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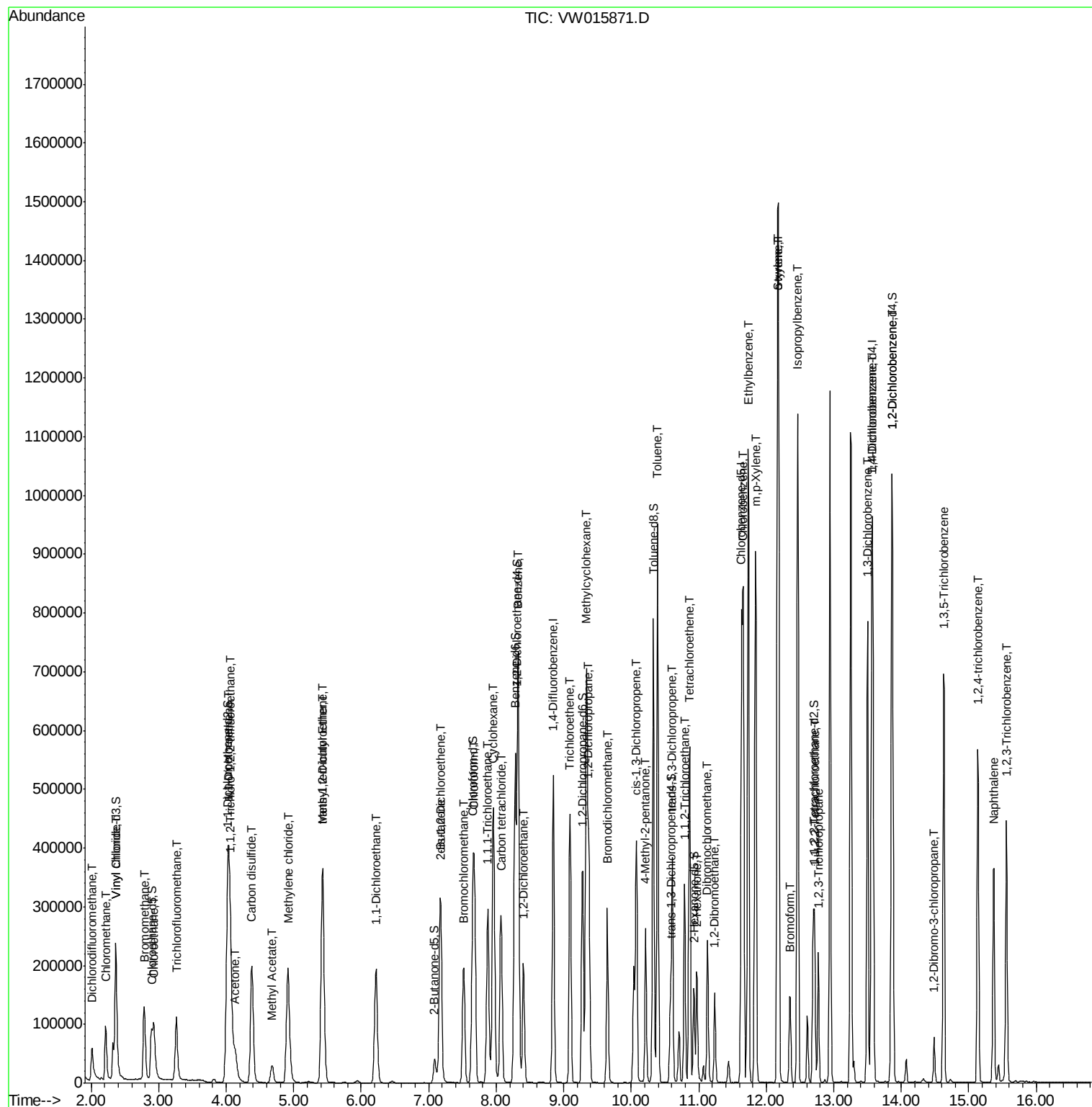
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	661112	26.629	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	203831	28.507	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	106109	25.892	ug/L	100
47) Tetrachloroethene	10.87	164	125573	25.899	ug/L	100
49) 2-Hexanone	10.97	43	117808	62.647	ug/L	100
50) Dibromochloromethane	11.13	129	126013	25.984	ug/L	100
51) 1,2-Dibromoethane	11.24	107	100145	25.903	ug/L	100
52) Chlorobenzene	11.66	112	418550	25.781	ug/L	100
53) Ethylbenzene	11.73	91	737995	26.348	ug/L	100
54) m,p-Xylene	11.84	106	282496	26.442	ug/L	100
55) o-xylene	12.17	106	264480	26.184	ug/L	100
56) Styrene	12.18	104	453510	26.559	ug/L	100
57) Isopropylbenzene	12.46	105	733858	26.407	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	123578	26.384	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	91485	26.565	ug/L	100
62) Bromoform	12.35	173	66759	26.602	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	304421	26.536	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	305979	26.304	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	282067	26.825	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	19441	28.814	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	216839	27.940	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	174070	28.602	ug/L	100
69) Naphthalene	15.37	128	315128	28.917	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	156391	28.621	ug/L	100

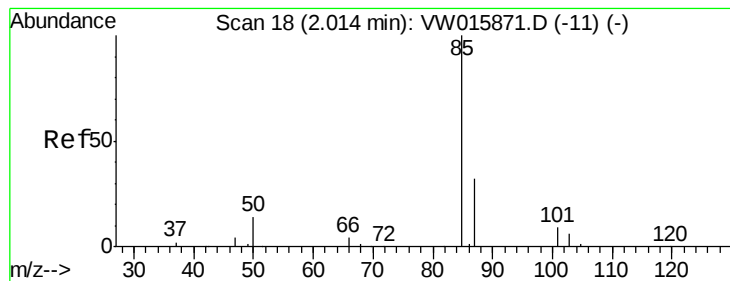
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.930 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

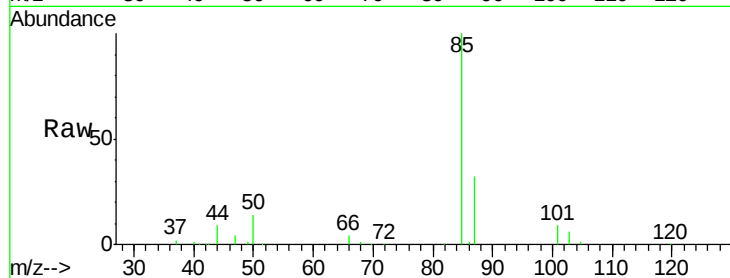
VSTD02502

Tgt Ion: 85 Resp: 93631

Ion Ratio Lower Upper

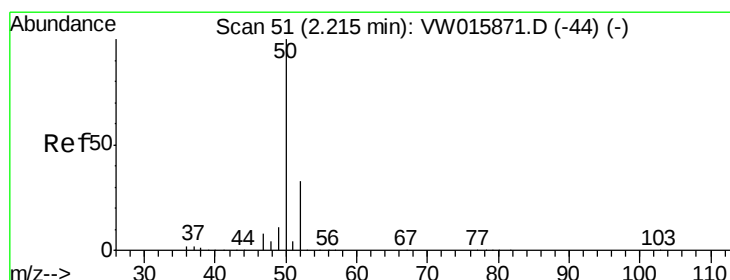
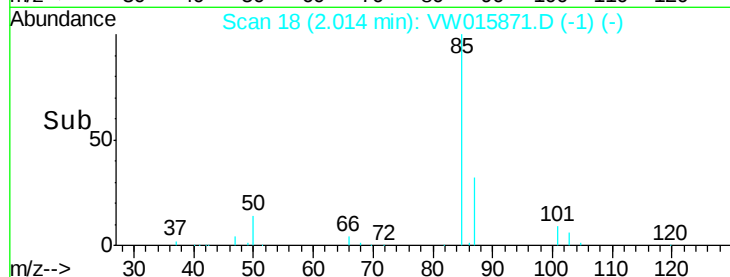
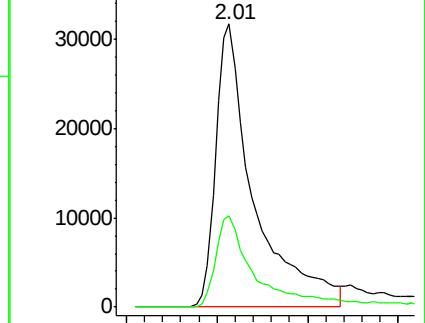
85 100

87 30.0 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: 22.031 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015871.D

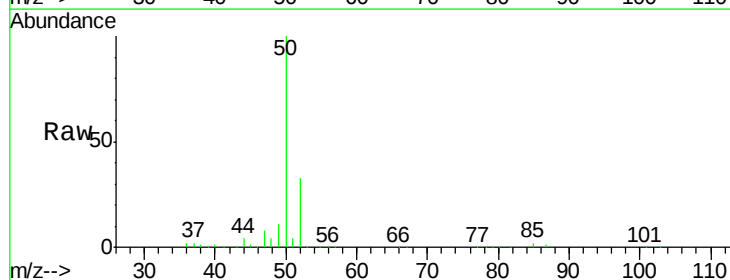
Acq: 20 Jul 2020 12:10

Tgt Ion: 50 Resp: 103066

Ion Ratio Lower Upper

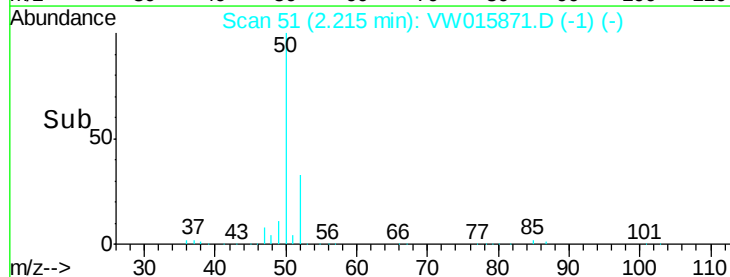
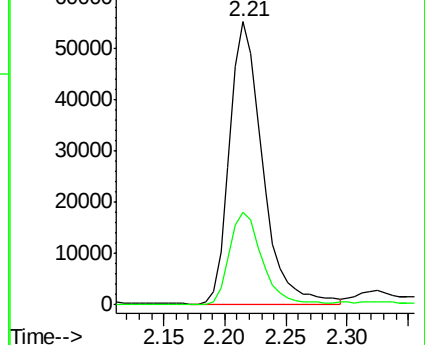
50 100

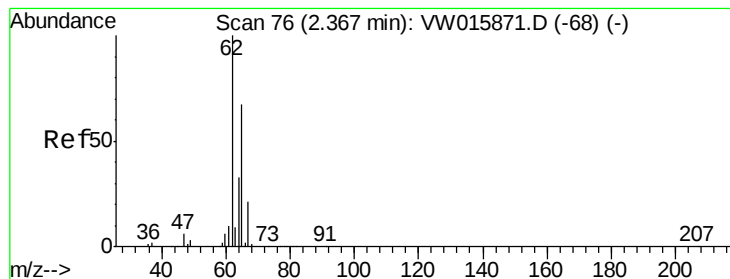
52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.972 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

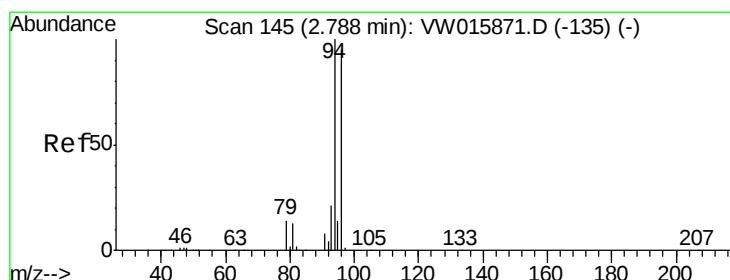
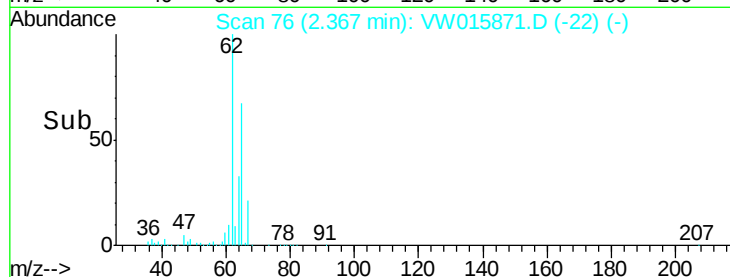
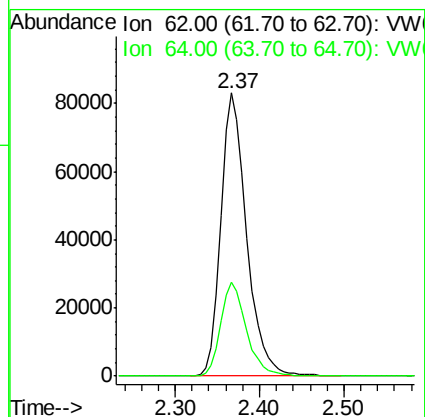
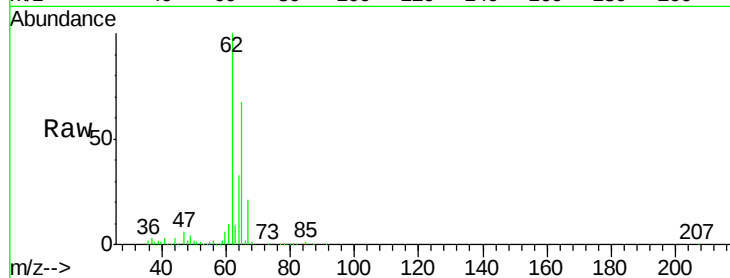
VSTD02502

Tgt Ion: 62 Resp: 175146

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 14.992 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015871.D

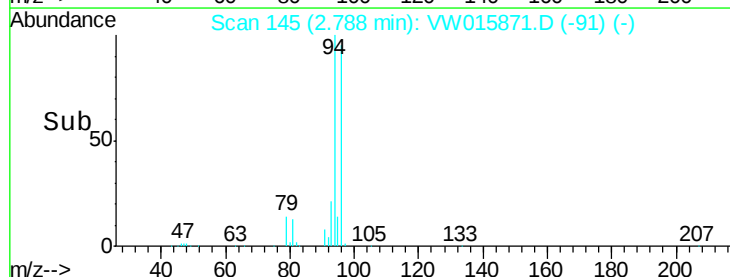
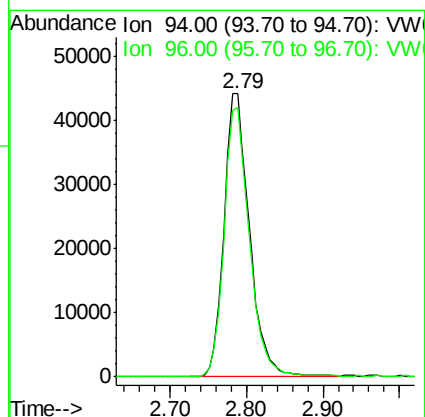
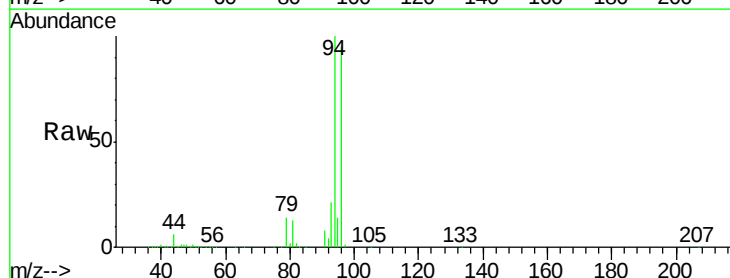
Acq: 20 Jul 2020 12:10

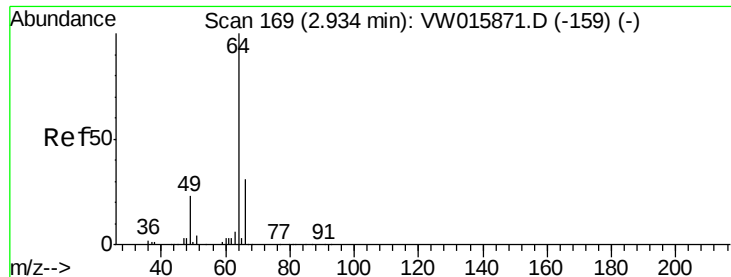
Tgt Ion: 94 Resp: 101685

Ion Ratio Lower Upper

94 100

96 94.8 9.5 180.1





#8

Chloroethane

Concen: 18.736 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

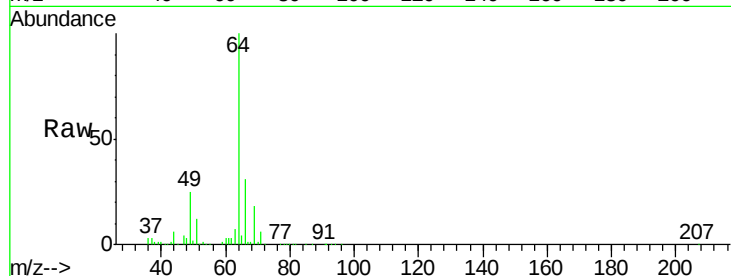
VSTD02502

Tgt Ion: 64 Resp: 104501

Ion Ratio Lower Upper

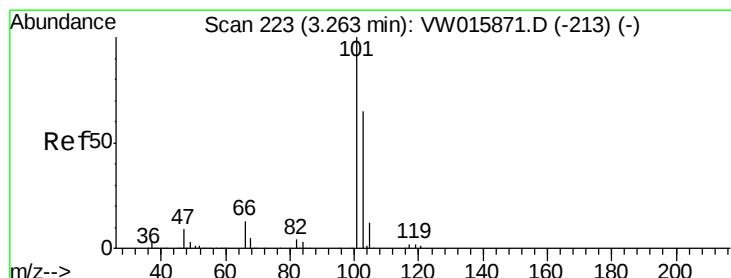
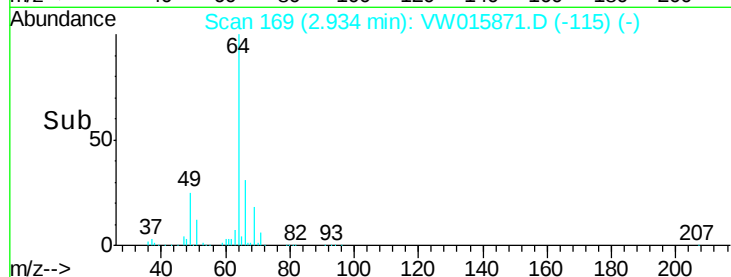
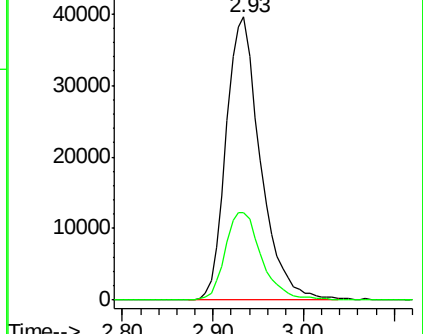
64 100

66 31.1 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 16.177 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015871.D

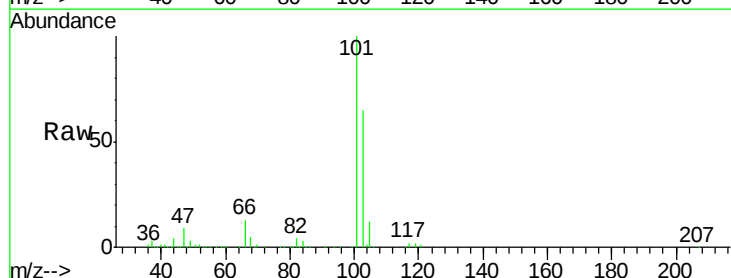
Acq: 20 Jul 2020 12:10

Tgt Ion: 101 Resp: 119456

Ion Ratio Lower Upper

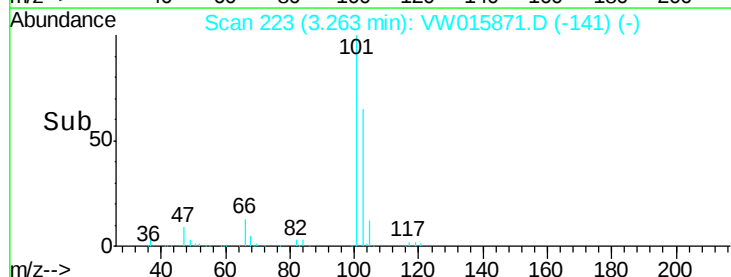
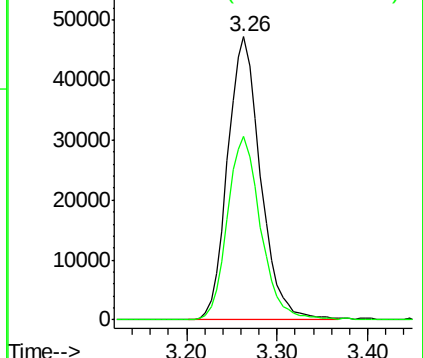
101 100

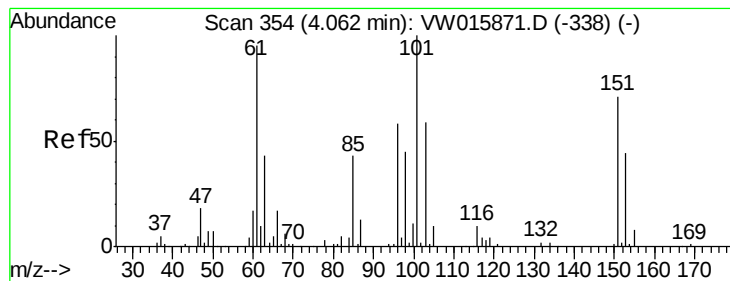
103 65.5 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 28.915 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

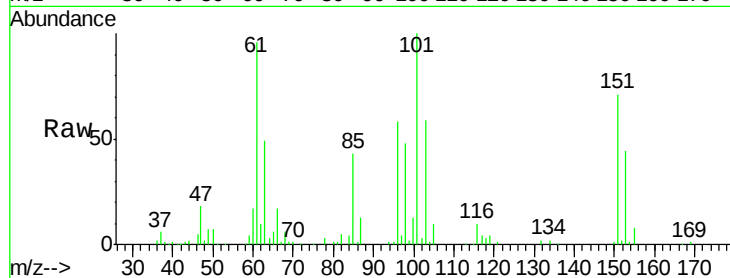
Tgt Ion:101 Resp: 146674

Ion Ratio Lower Upper

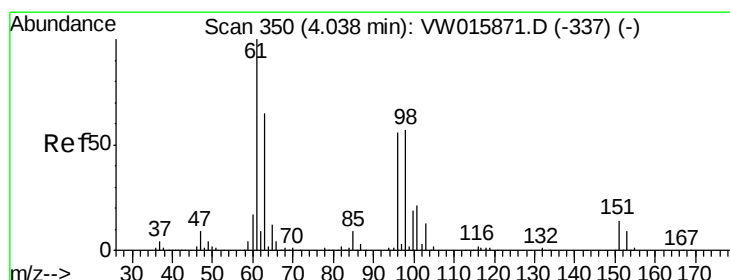
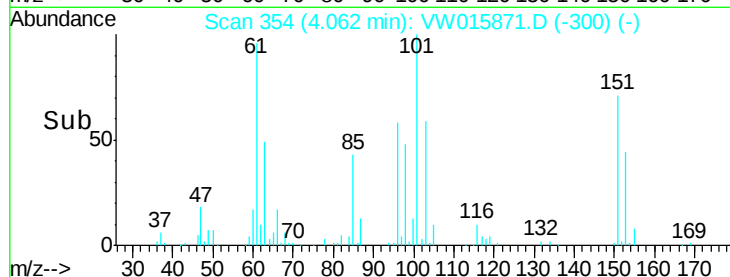
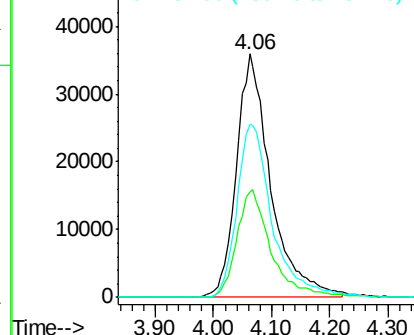
101 100

85 44.4 35.5 53.3

151 73.0 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: 29.646 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

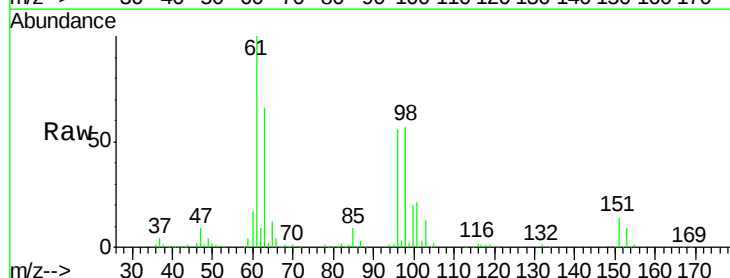
Tgt Ion: 96 Resp: 142482

Ion Ratio Lower Upper

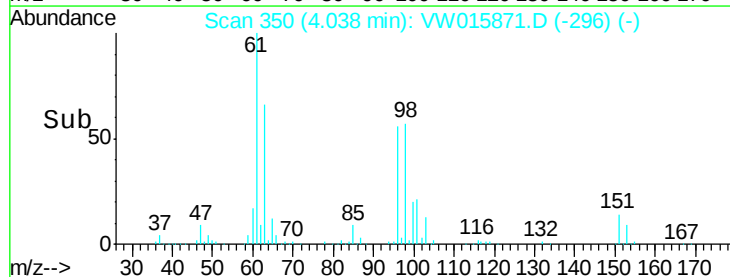
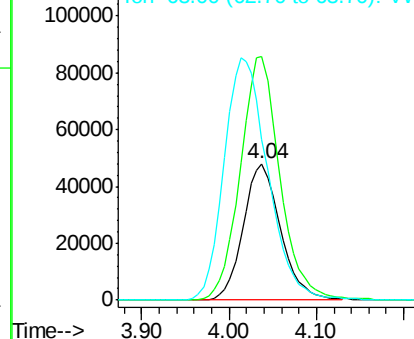
96 100

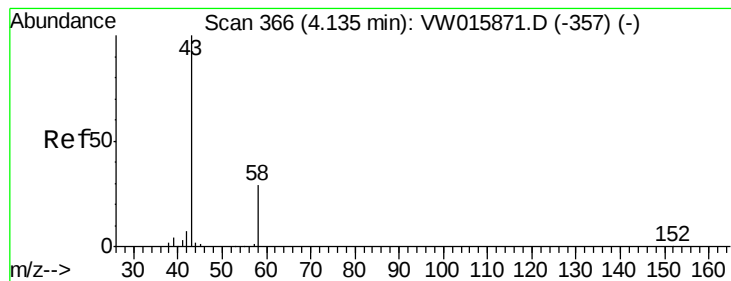
61 178.6 125.0 232.2

63 117.5 82.3 152.8



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.476 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampled :

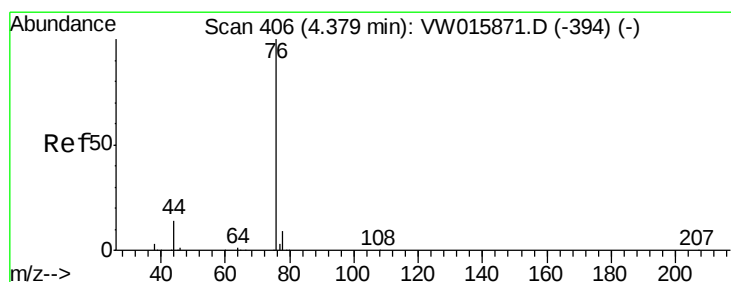
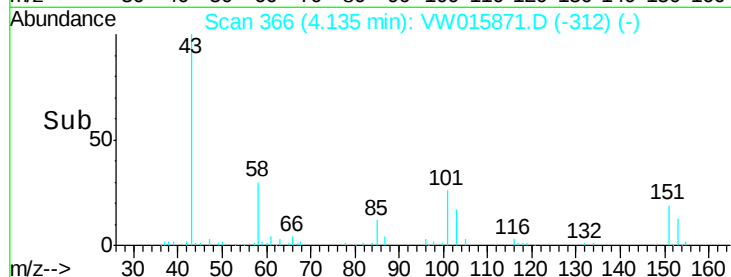
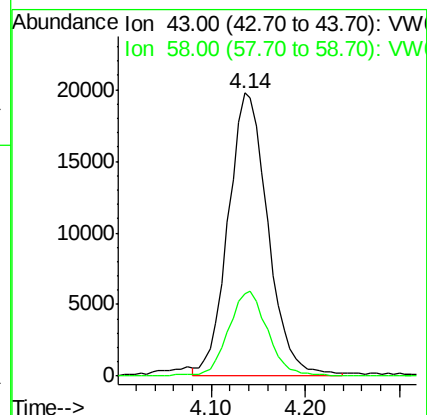
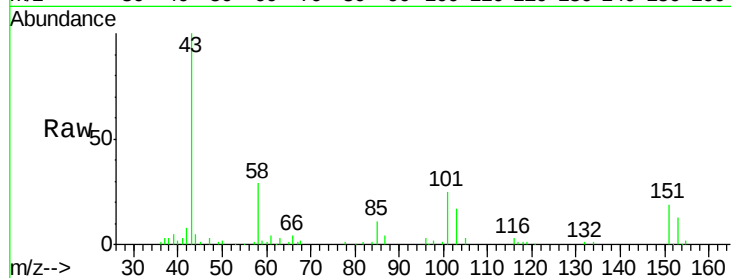
VSTD02502

Tgt Ion: 43 Resp: 57871

Ion Ratio Lower Upper

43 100

58 29.1 0.0 58.4



#14

Carbon disulfide

Concen: 28.745 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015871.D

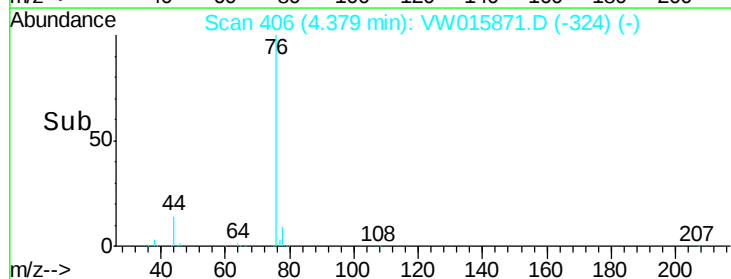
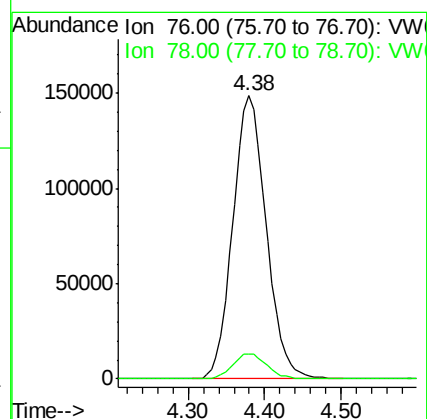
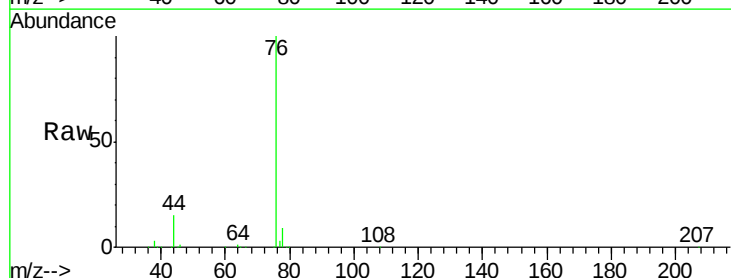
Acq: 20 Jul 2020 12:10

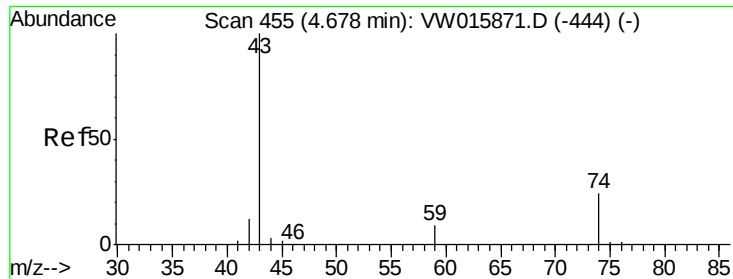
Tgt Ion: 76 Resp: 449129

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

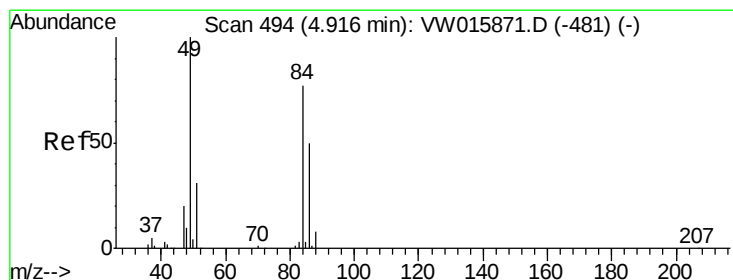
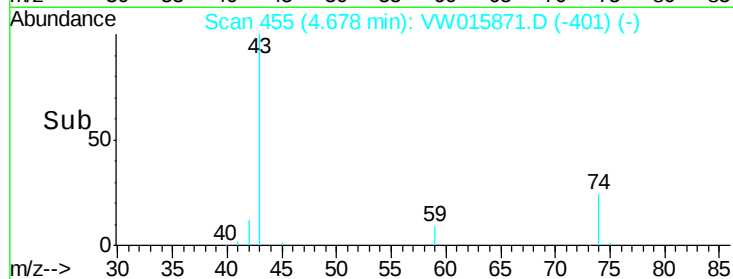
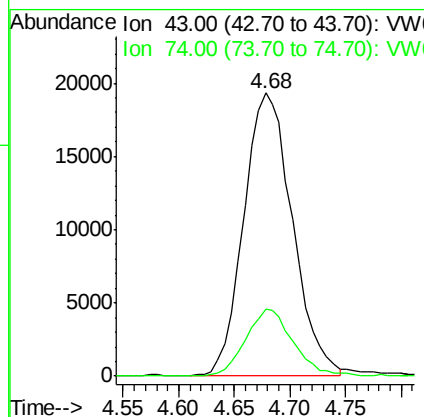
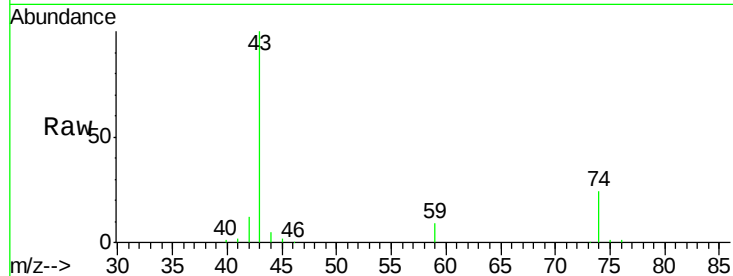




#15
Methyl Acetate
Concen: 30.136 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

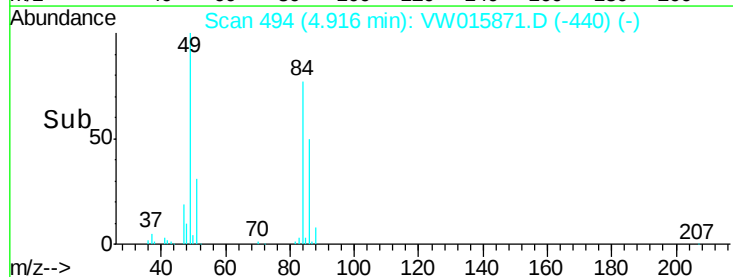
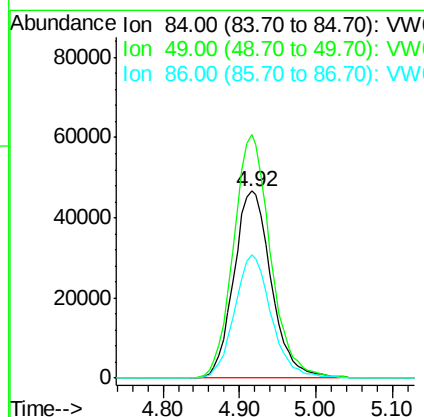
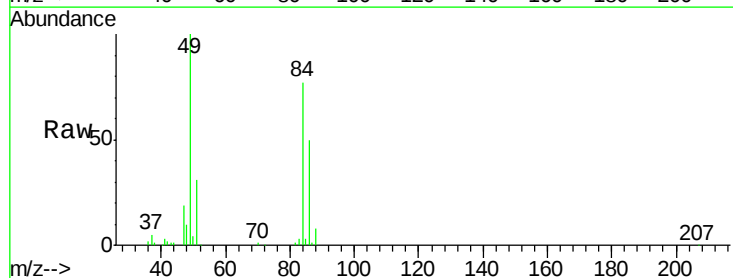
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

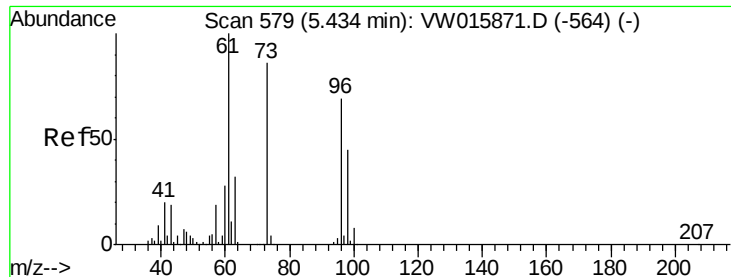
Tgt Ion: 43 Resp: 58850
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2



#16
Methylene chloride
Concen: 26.671 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 84 Resp: 158909
Ion Ratio Lower Upper
84 100
49 130.1 91.1 169.1
86 65.7 46.0 85.4

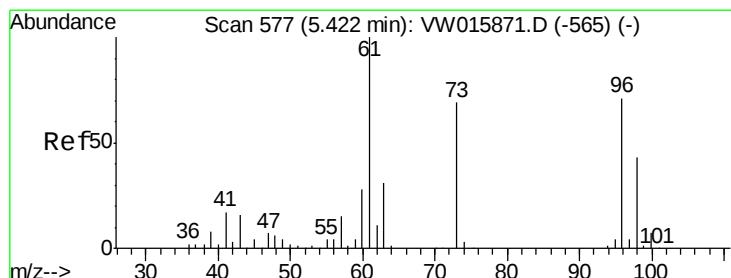
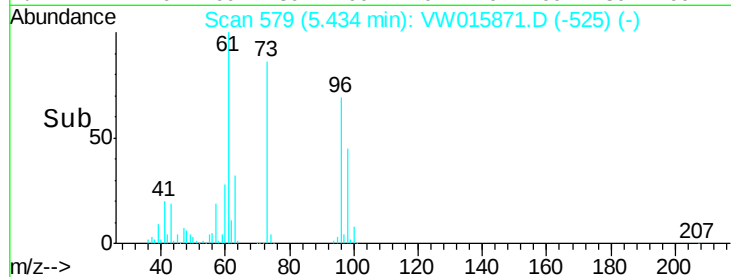
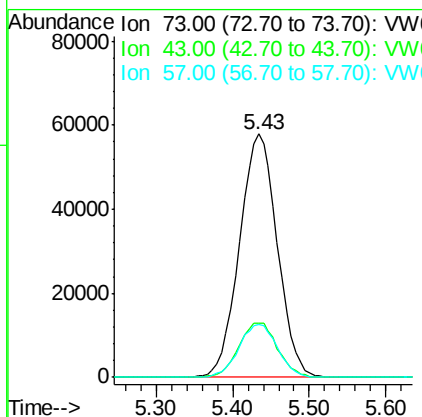
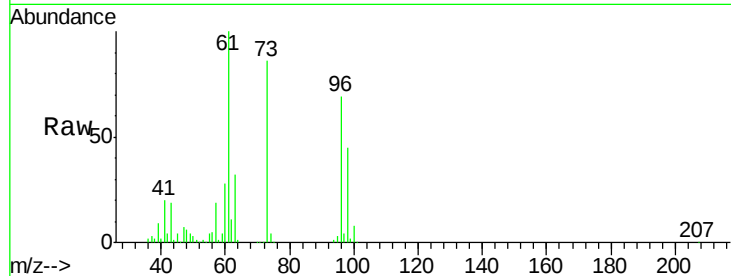




#17
Methyl tert-butyl Ether
Concen: 27.674 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

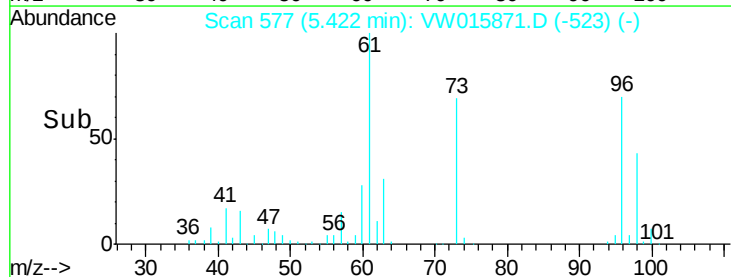
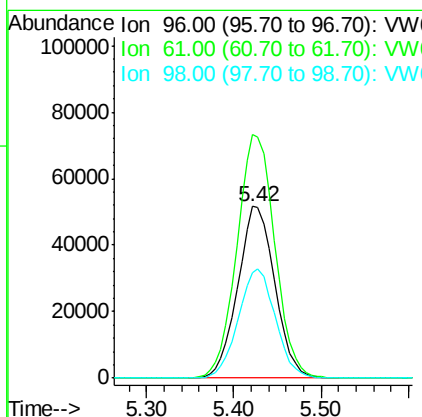
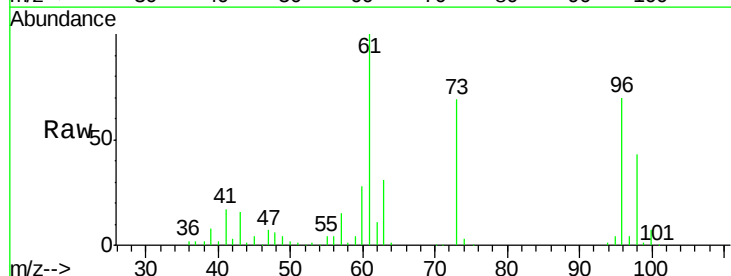
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

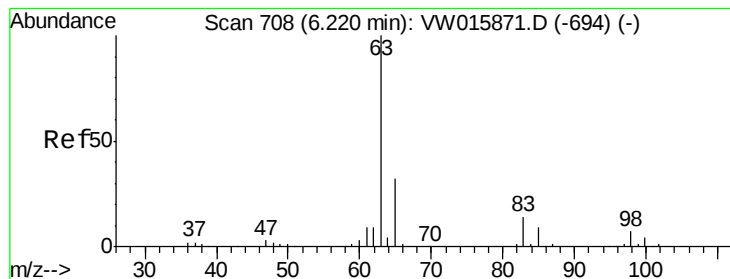
Tgt Ion: 73 Resp: 198712
Ion Ratio Lower Upper
73 100
43 23.0 18.4 27.6
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.778 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 96 Resp: 151899
Ion Ratio Lower Upper
96 100
61 141.9 99.3 184.5
98 61.3 42.9 79.7





#19

1,1-Dichloroethane

Concen: 28.073 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

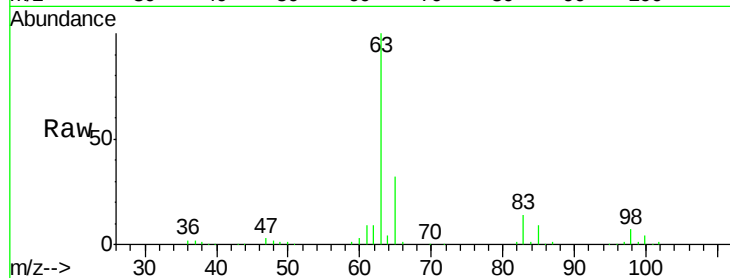
Tgt Ion: 63 Resp: 280250

Ion Ratio Lower Upper

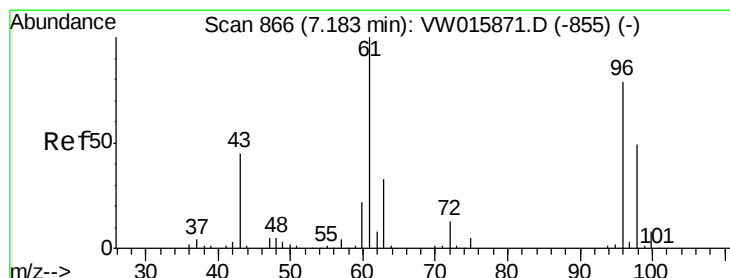
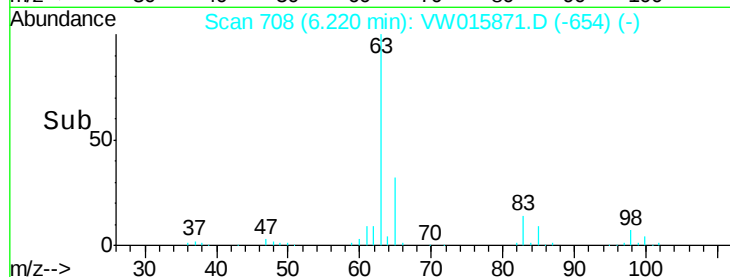
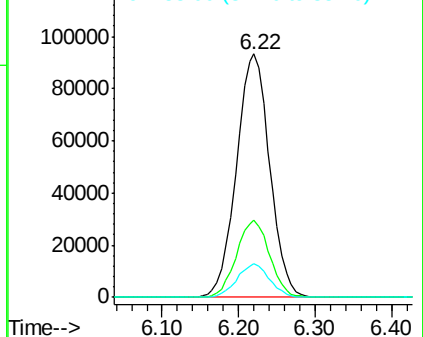
63 100

65 31.7 22.2 41.2

83 14.0 9.8 18.2



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



#21

2-Butanone

Concen: 60.073 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW015871.D

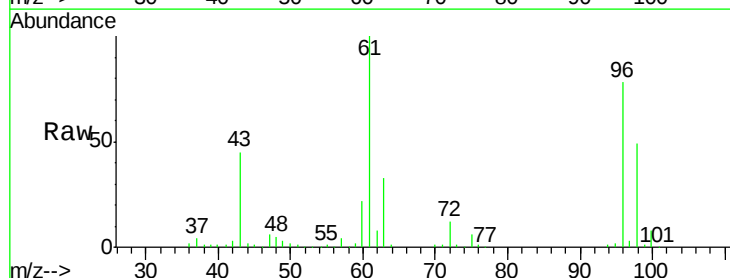
Acq: 20 Jul 2020 12:10

Tgt Ion: 43 Resp: 77636

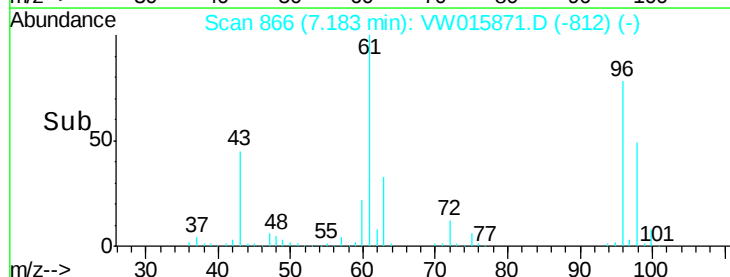
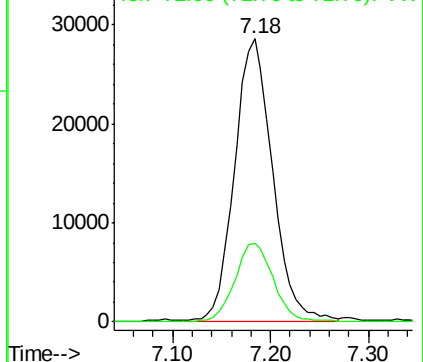
Ion Ratio Lower Upper

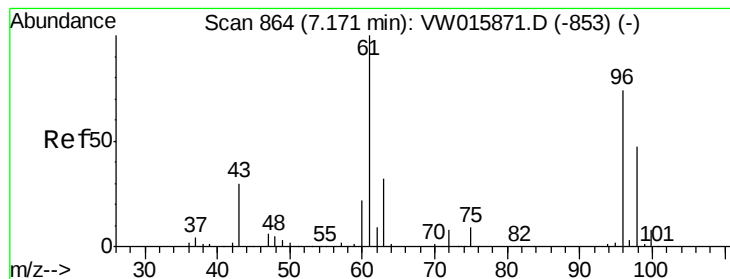
43 100

72 27.8 13.9 41.7



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



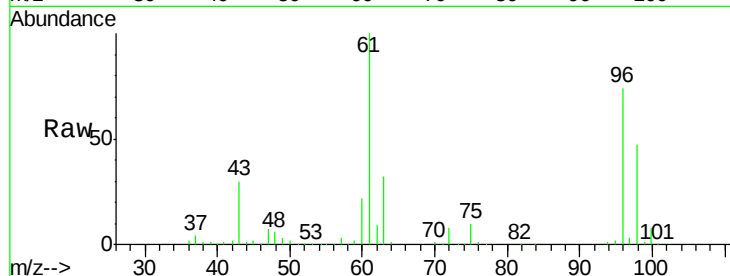


#22

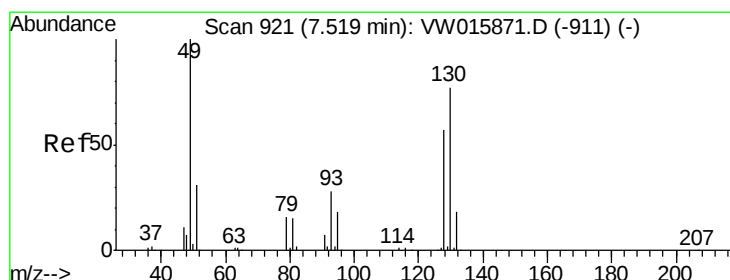
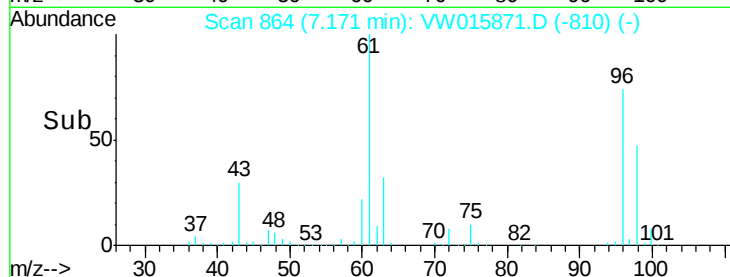
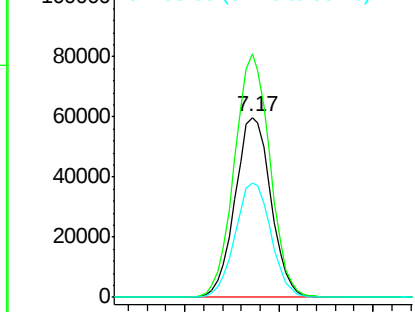
cis-1,2-Dichloroethene
Concen: 26.690 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Instrument :
MSVOA_W
ClientSampled :
VSTD02502

Tgt Ion: 96 Resp: 159348
Ion Ratio Lower Upper
96 100
61 135.2 94.6 175.8
98 63.3 44.3 82.3



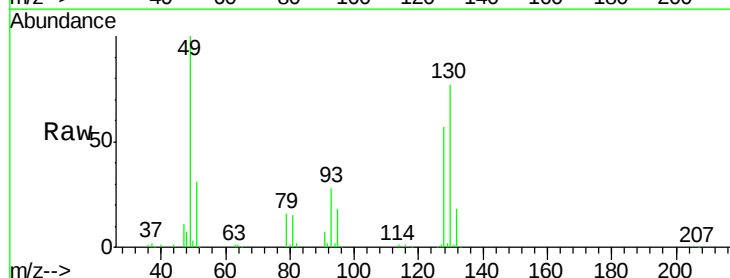
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



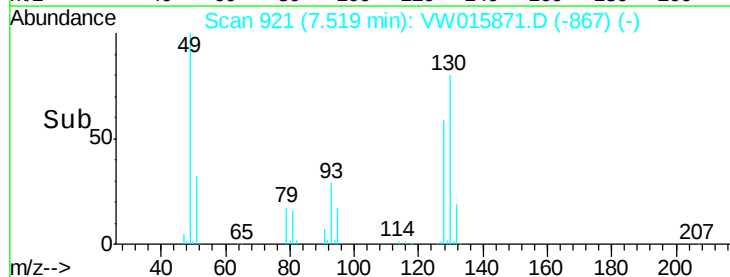
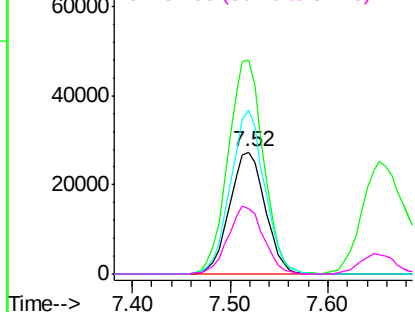
#23

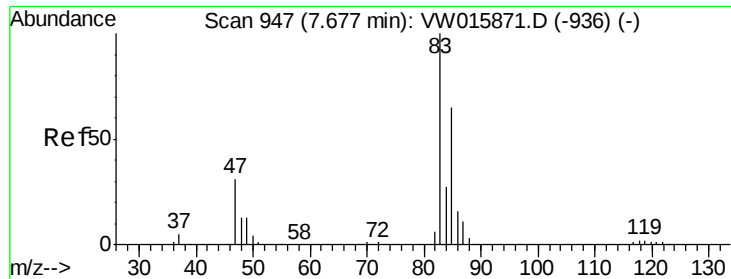
Bromochloromethane
Concen: 26.064 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 128 Resp: 69254
Ion Ratio Lower Upper
128 100
49 174.8 122.4 227.2
130 134.2 93.9 174.5
51 54.0 43.2 64.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

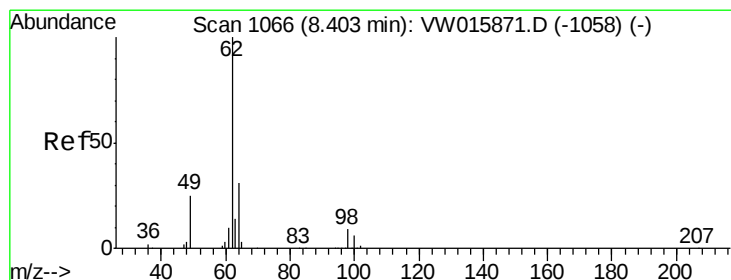
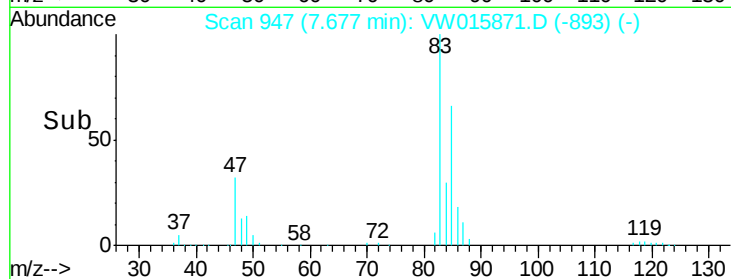
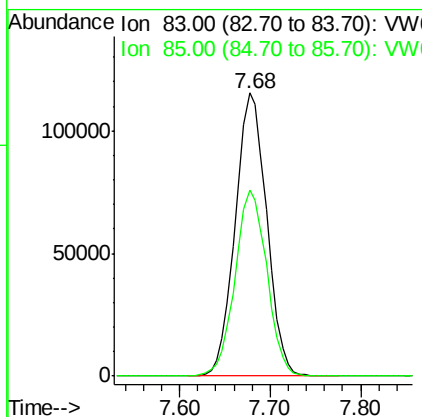
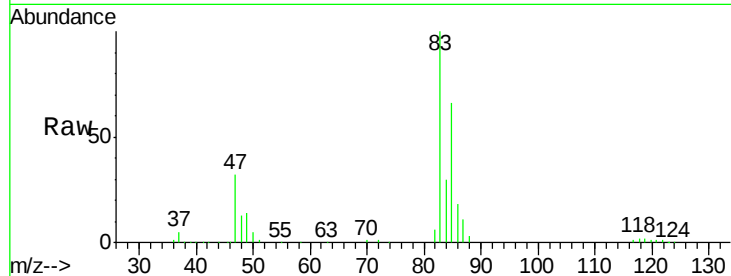




#25
Chloroform
Concen: 26.104 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

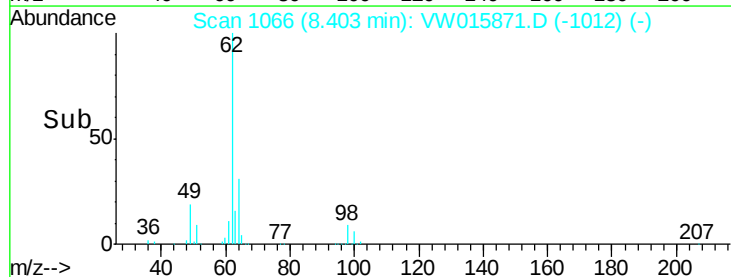
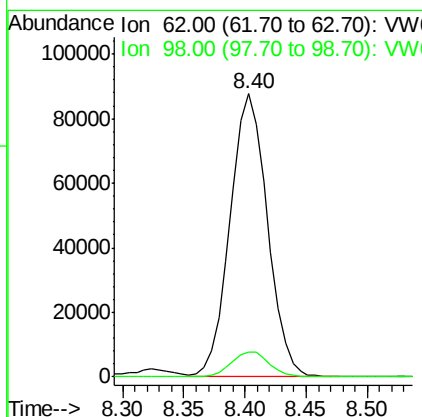
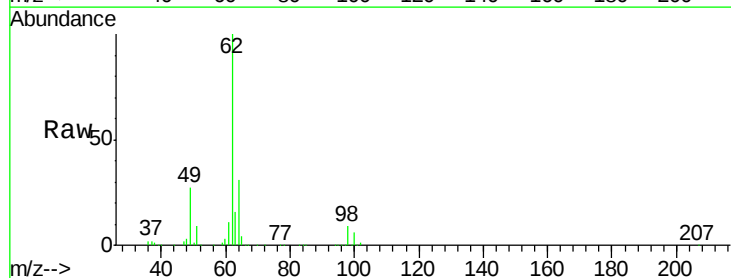
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

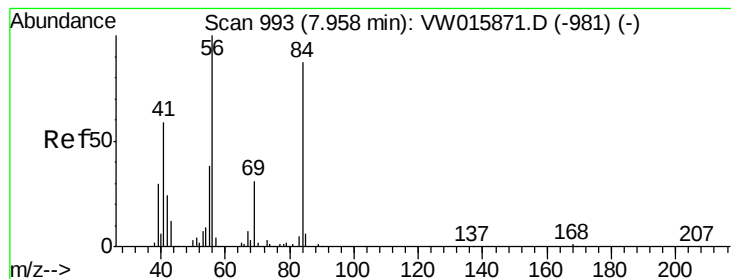
Tgt Ion: 83 Resp: 277620
Ion Ratio Lower Upper
83 100
85 66.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 26.670 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 62 Resp: 186116
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#30

Cyclohexane

Concen: 30.908 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

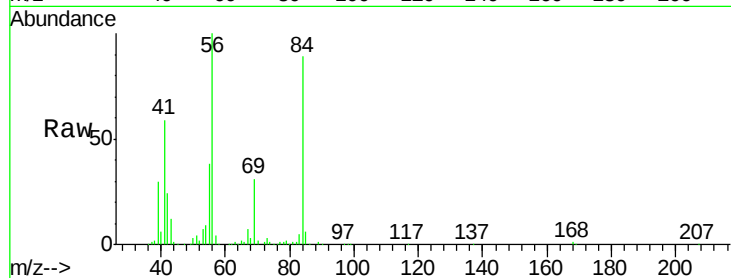
Tgt Ion: 56 Resp: 261865

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

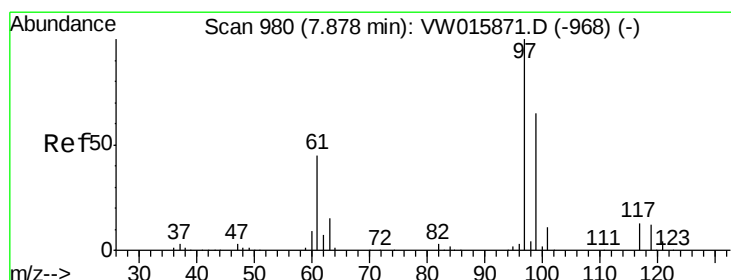
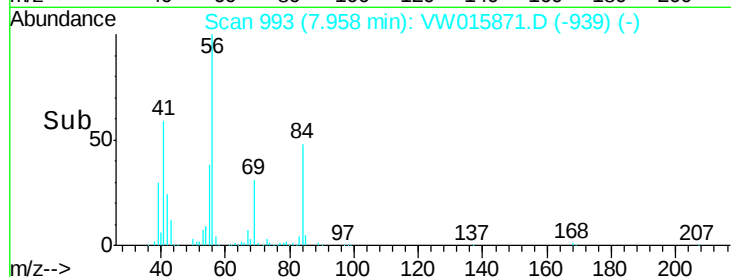
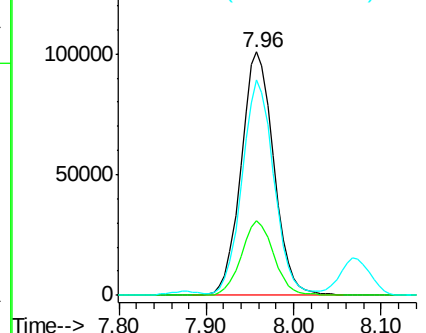
84 86.6 69.3 103.9



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.993 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

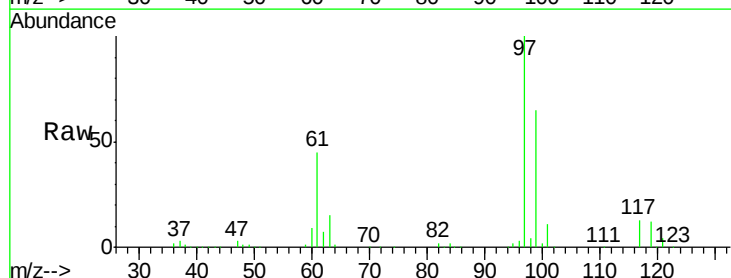
Tgt Ion: 97 Resp: 239621

Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

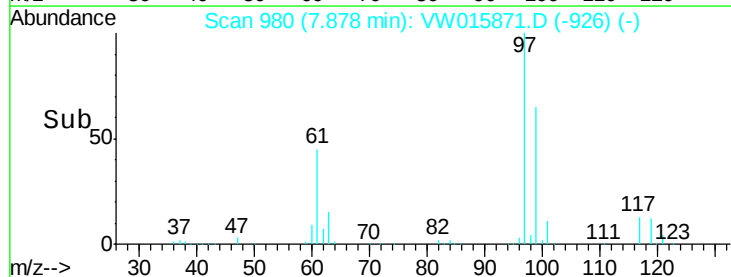
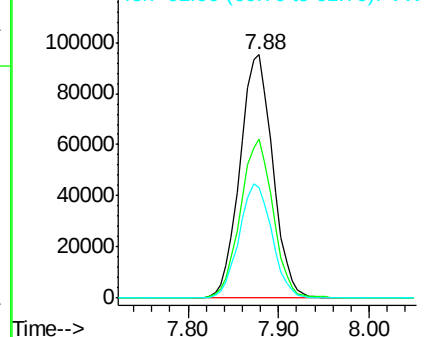
61 47.0 37.6 56.4

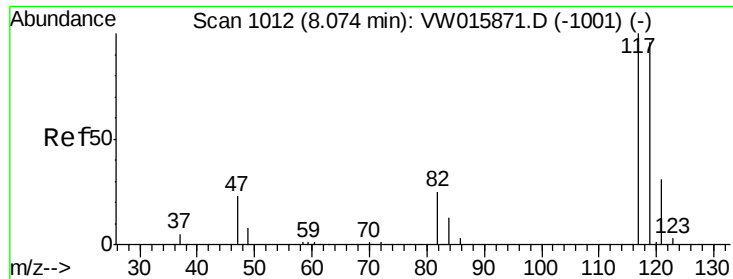


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.432 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

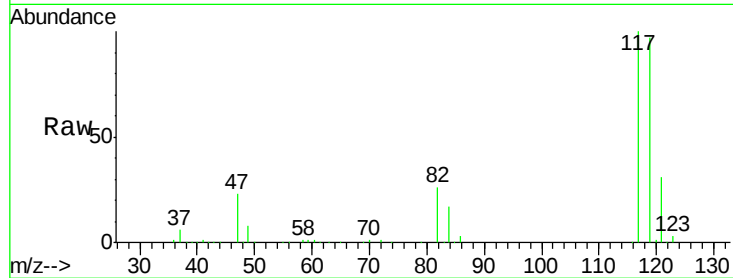
VSTD02502

Tgt Ion:117 Resp: 217722

Ion Ratio Lower Upper

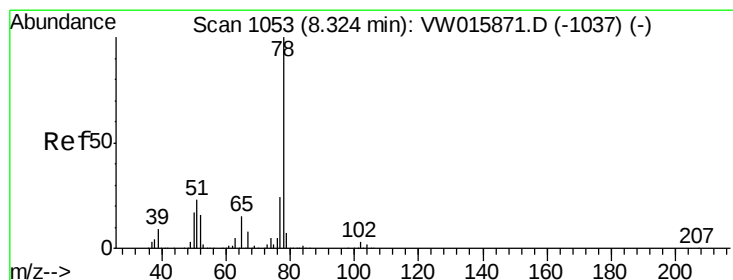
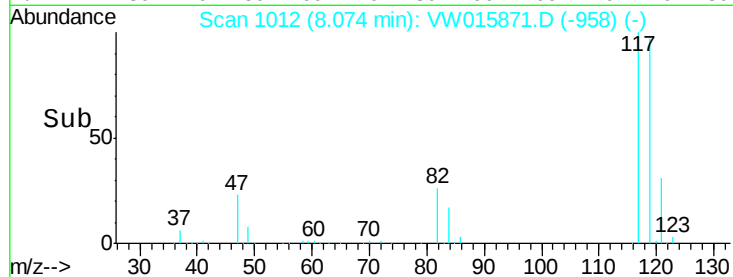
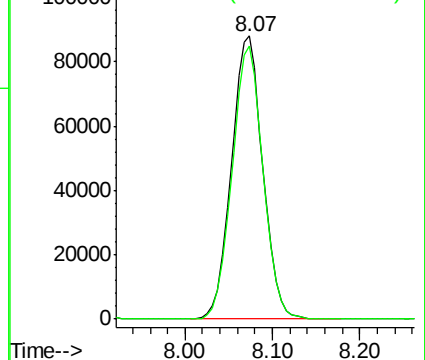
117 100

119 95.5 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: 27.616 ug/L

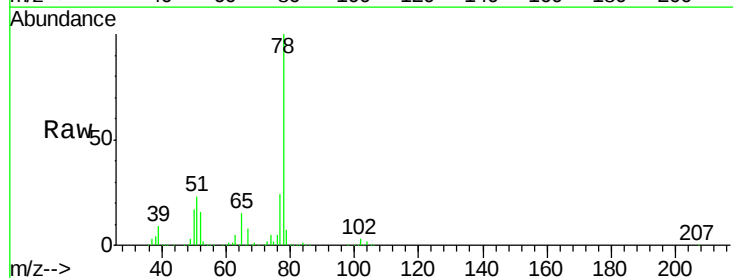
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

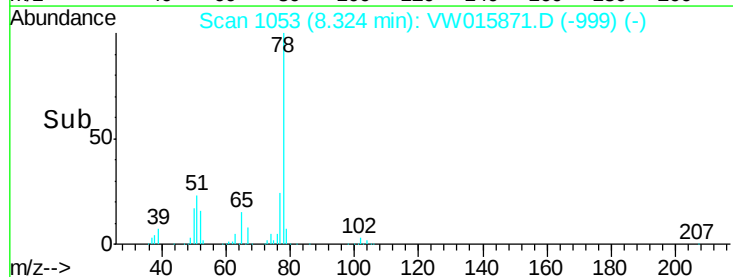
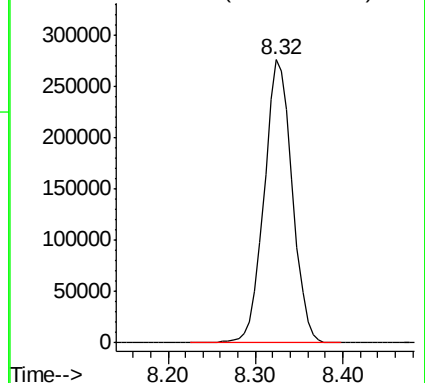
Lab File: VW015871.D

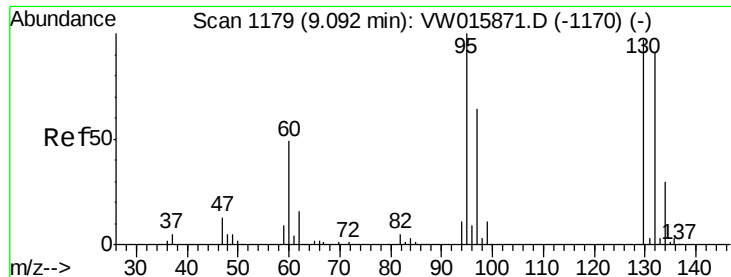
Acq: 20 Jul 2020 12:10

Tgt Ion: 78 Resp: 620336



Abundance Ion 78.00 (77.70 to 78.70): VW

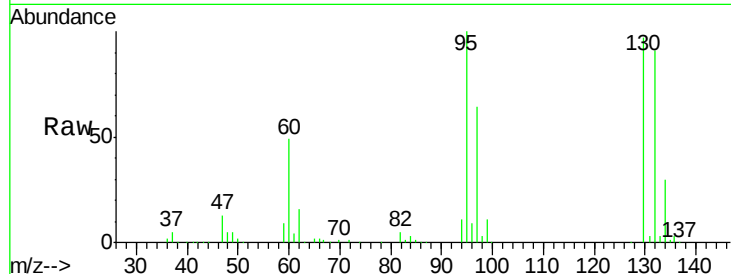




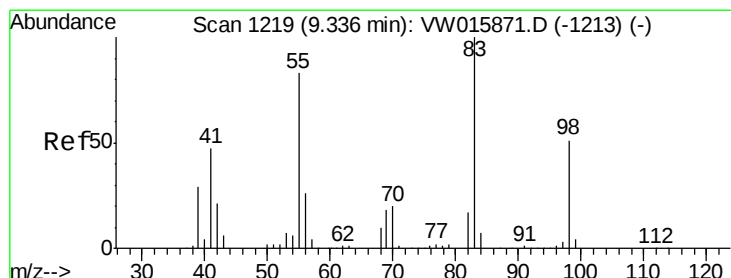
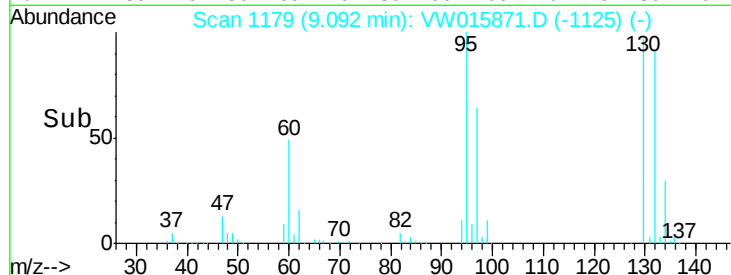
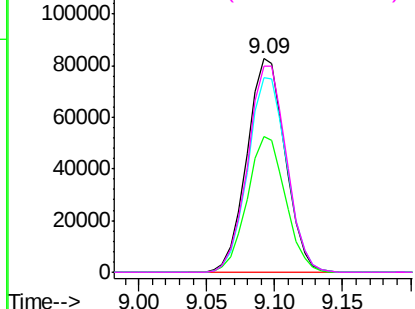
#35
 Trichloroethene
 Concen: 26.954 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tgt Ion: 95 Resp: 163201
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.4 82.4
 132 93.0 65.1 120.9
 130 98.0 68.6 127.4

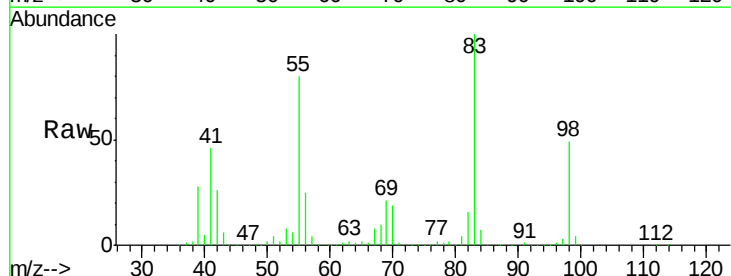


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

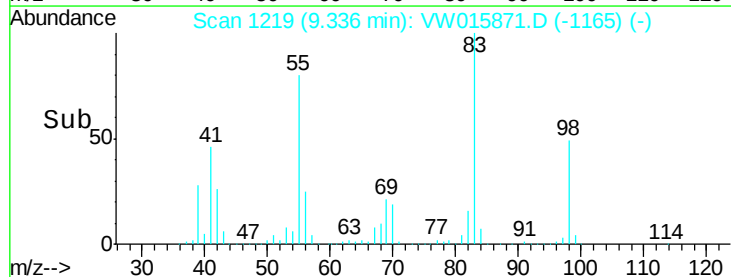
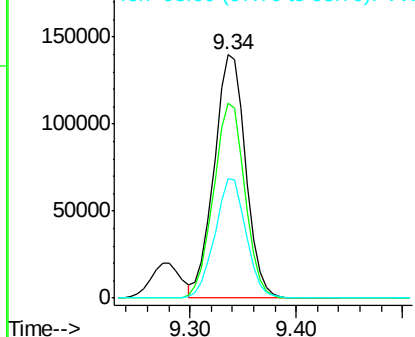


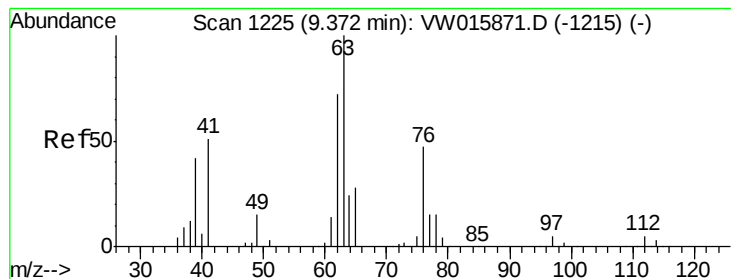
#36
 Methylcyclohexane
 Concen: 27.776 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 83 Resp: 287493
 Ion Ratio Lower Upper
 83 100
 55 79.4 63.5 95.3
 98 48.7 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: 28.407 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

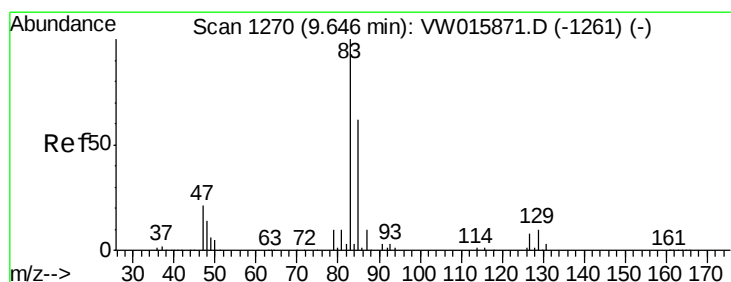
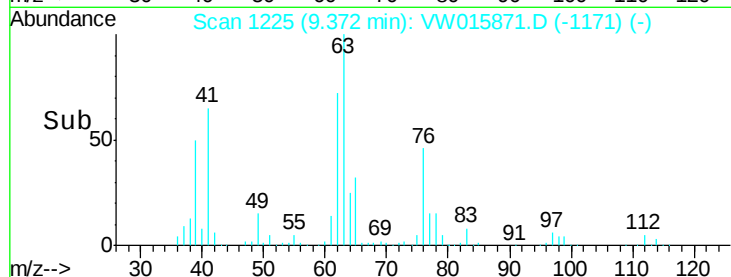
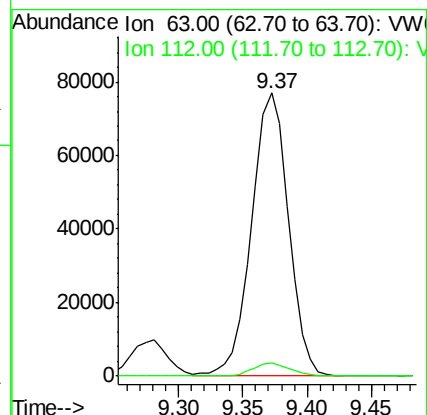
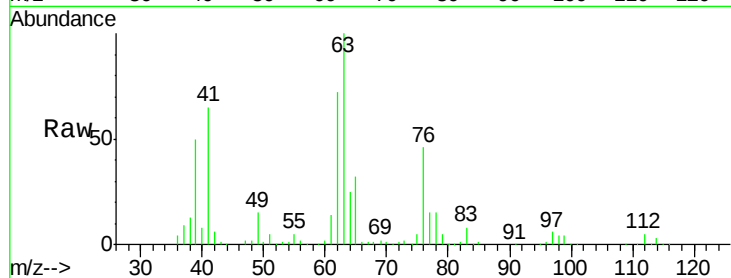
VSTD02502

Tgt Ion: 63 Resp: 152683

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#41

Bromodichloromethane

Concen: 27.209 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

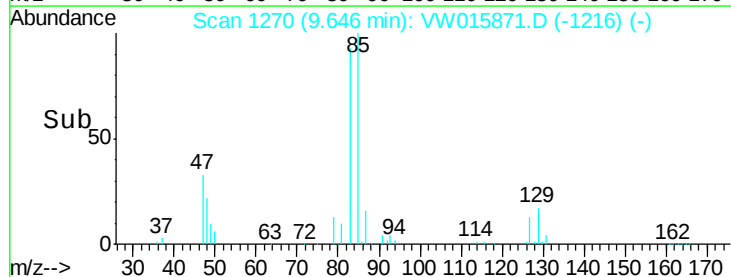
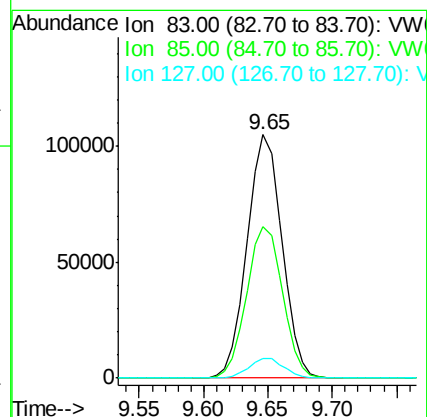
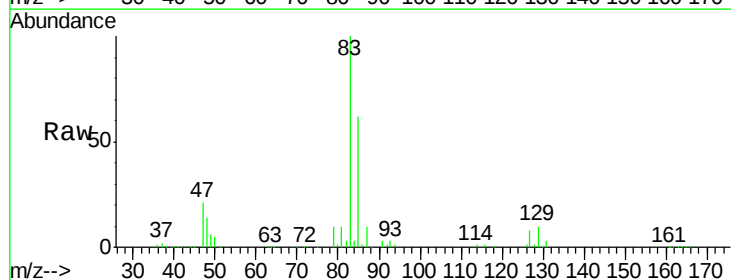
Tgt Ion: 83 Resp: 197131

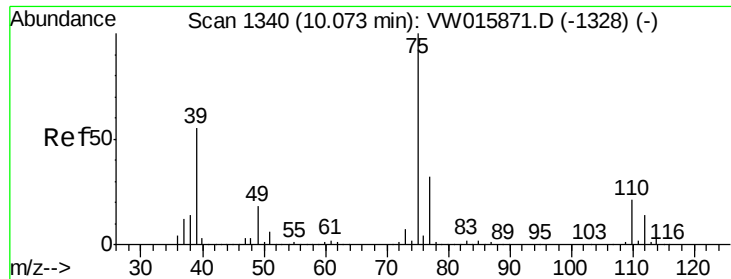
Ion Ratio Lower Upper

83 100

85 62.4 43.7 81.1

127 8.1 6.5 9.7

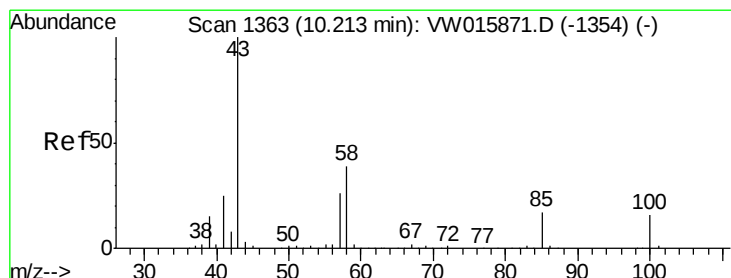
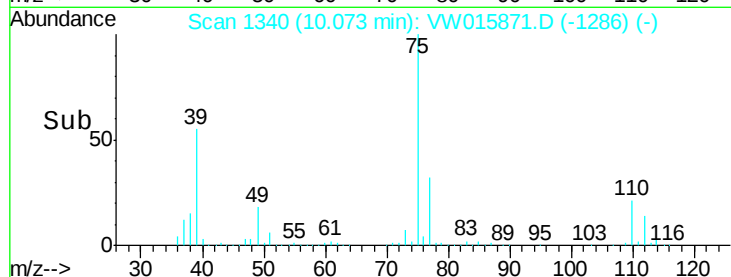
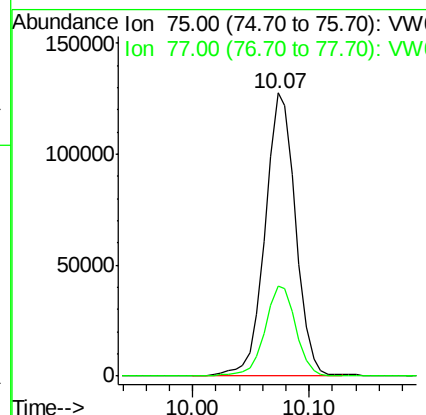
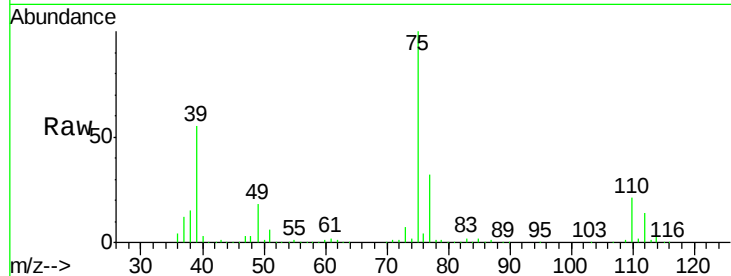




#42
 cis-1,3-Dichloropropene
 Concen: 28.956 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

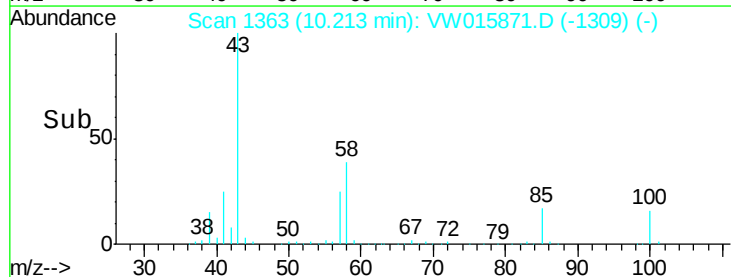
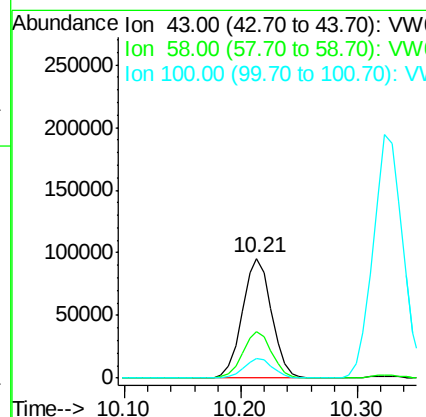
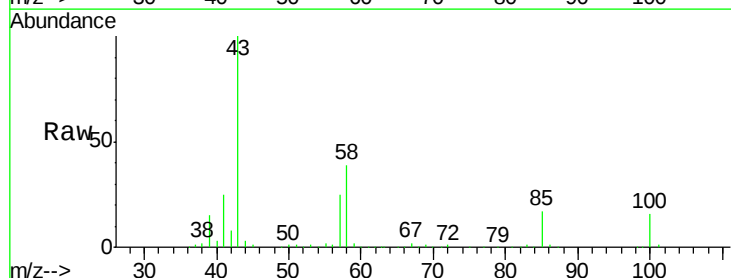
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

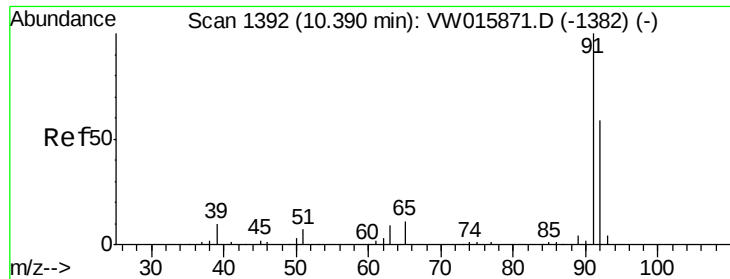
Tgt Ion: 75 Resp: 233286
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 63.302 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 43 Resp: 167334
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 15.8 12.6 19.0





#44

Toluene

Concen: 26.629 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

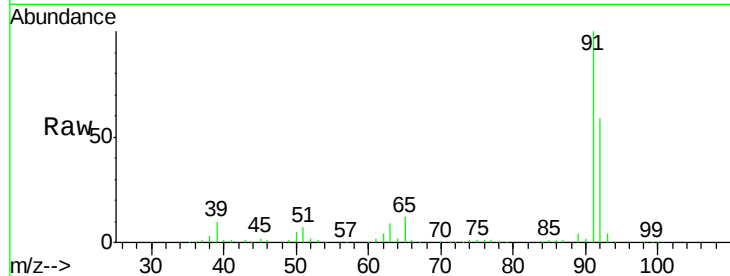
VSTD02502

Tgt Ion: 91 Resp: 661112

Ion Ratio Lower Upper

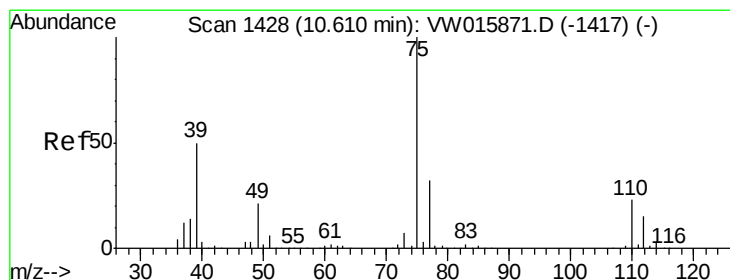
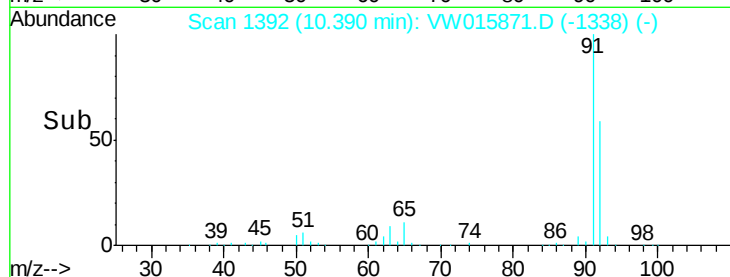
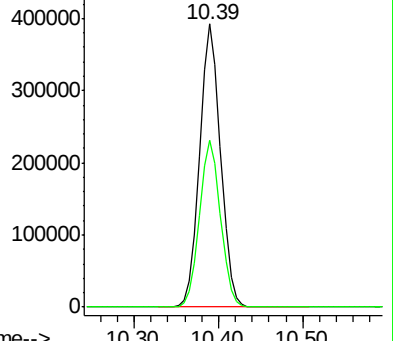
91 100

92 58.8 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: 28.507 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015871.D

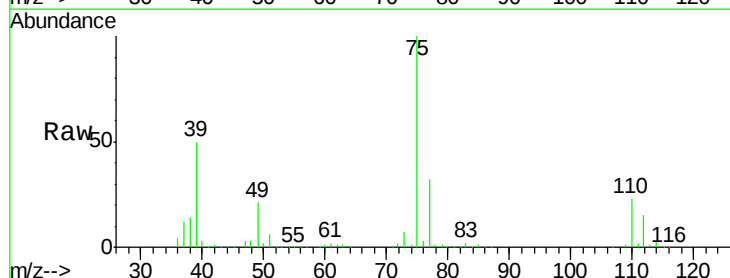
Acq: 20 Jul 2020 12:10

Tgt Ion: 75 Resp: 203831

Ion Ratio Lower Upper

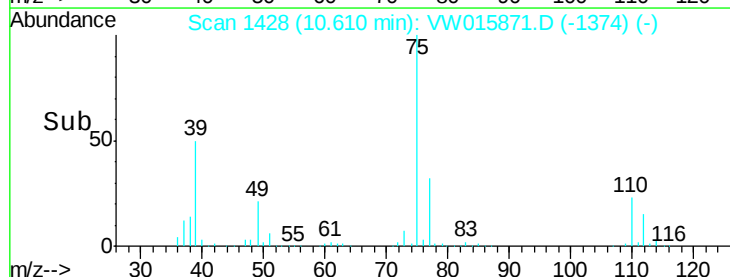
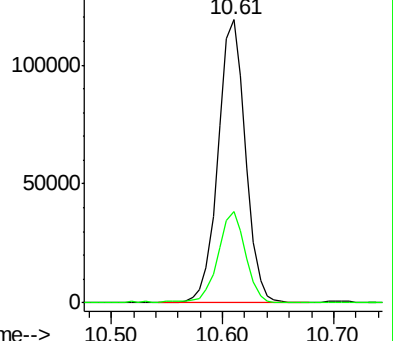
75 100

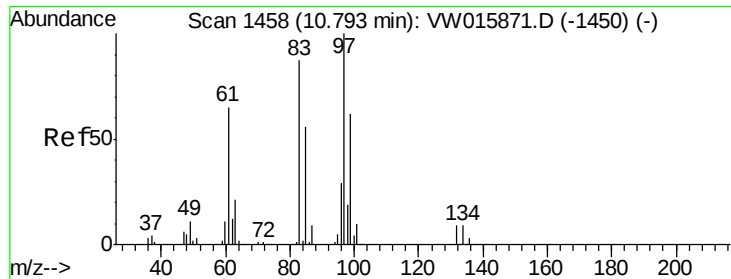
77 32.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

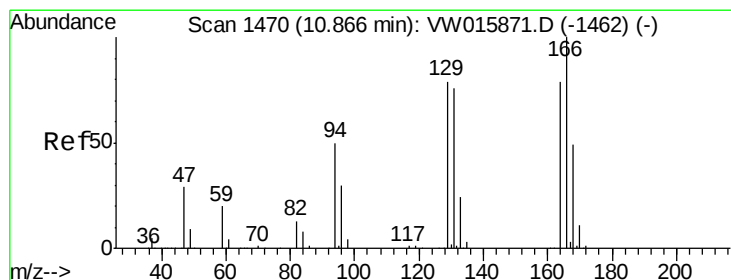
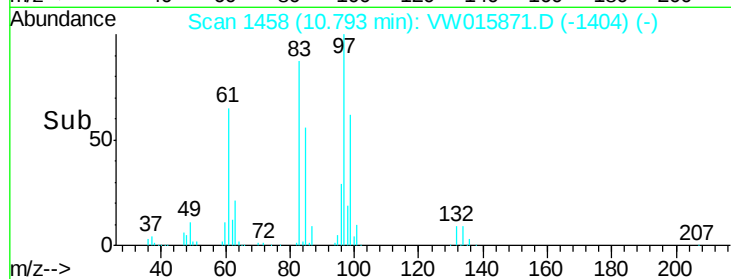
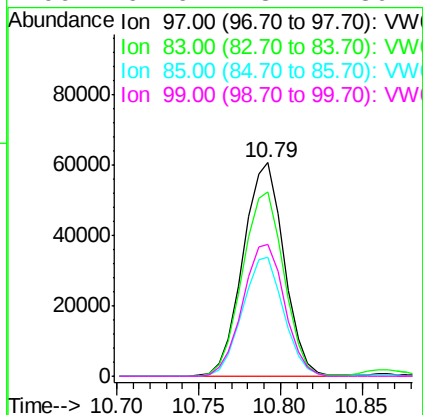
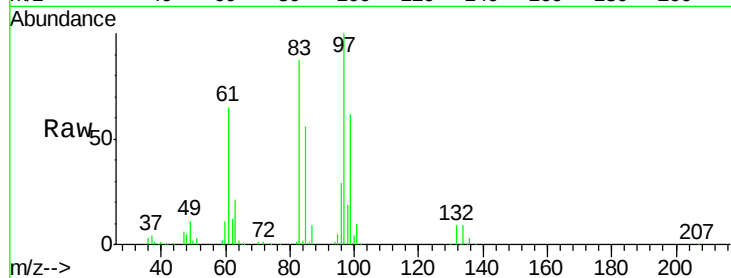




#46
 1,1,2-Trichloroethane
 Concen: 25.892 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

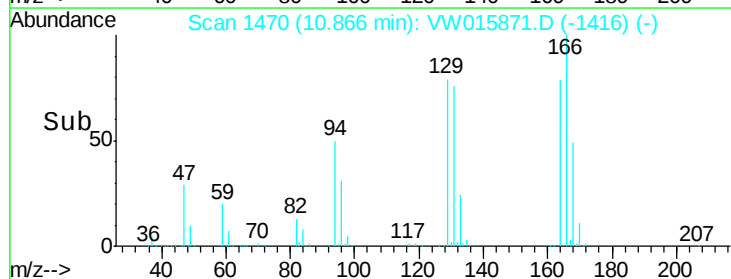
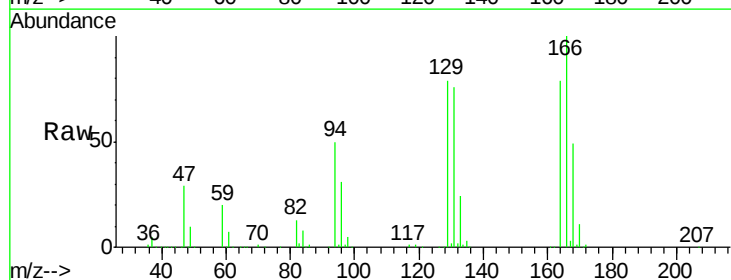
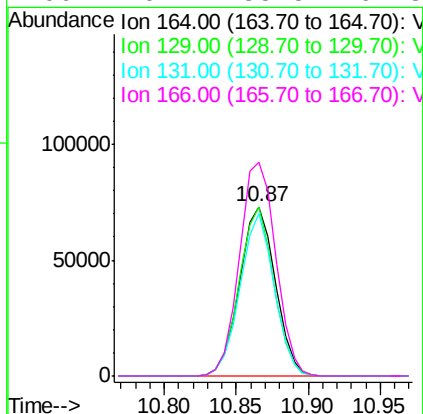
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

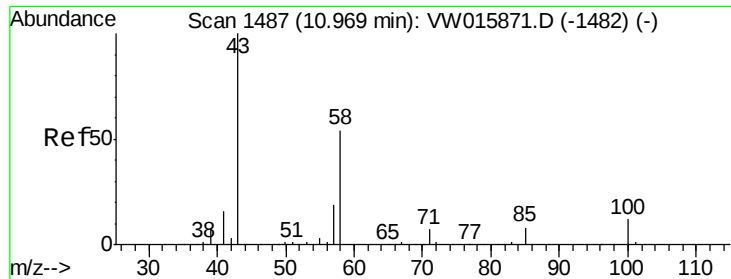
Tgt Ion:	97	Resp:	106109
Ion	Ratio	Lower	Upper
97	100		
83	86.6	60.6	112.6
85	55.5	38.9	72.2
99	61.6	43.1	80.1



#47
 Tetrachloroethene
 Concen: 25.899 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion:	164	Resp:	125573
Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.0	130.0
131	96.1	67.3	124.9
166	126.4	88.5	164.3

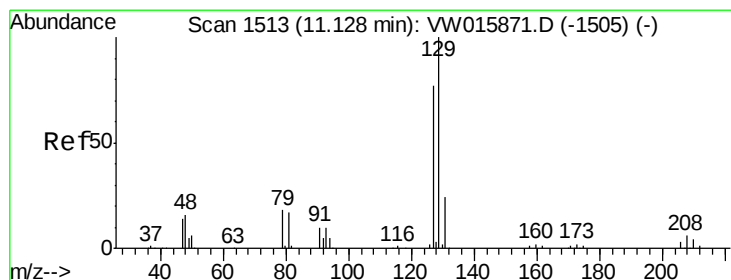
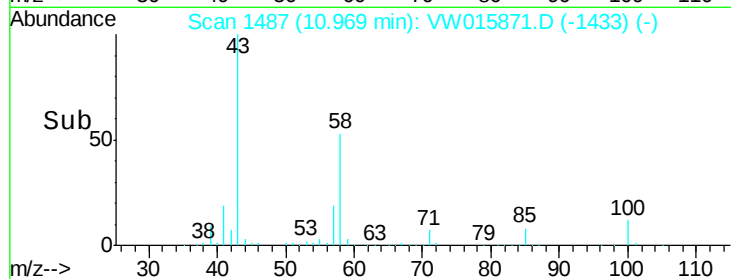
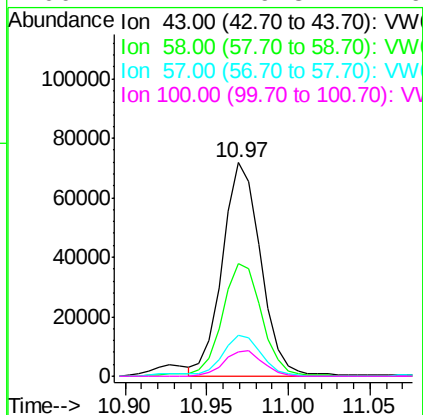
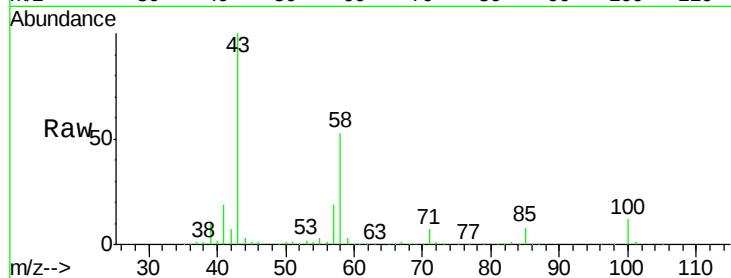




#49
2-Hexanone
Concen: 62.647 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

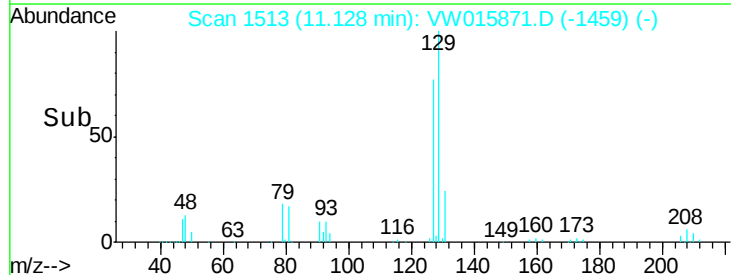
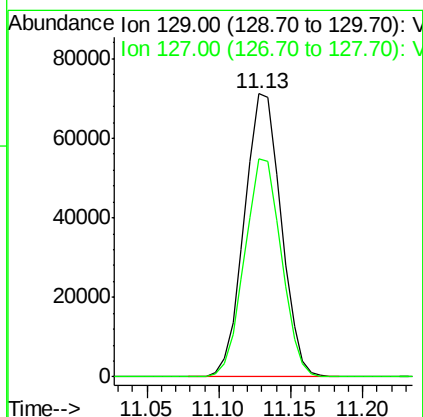
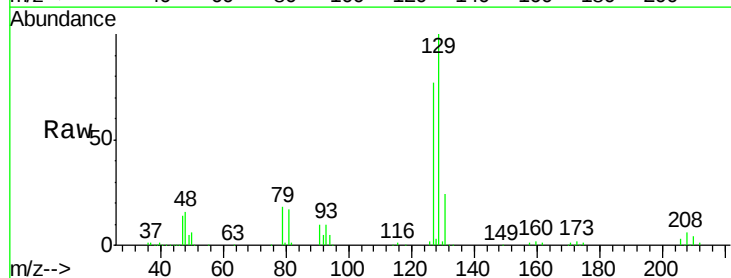
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

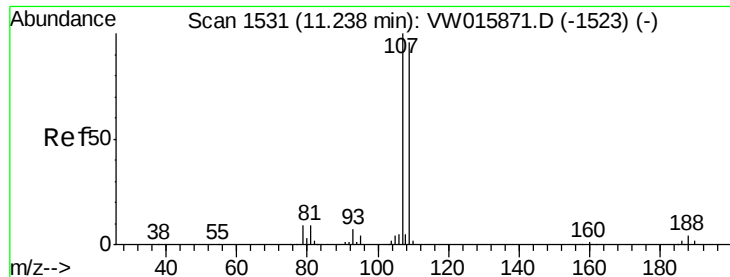
Tgt Ion: 43 Resp: 117808
Ion Ratio Lower Upper
43 100
58 53.0 42.4 63.6
57 19.5 15.6 23.4
100 12.2 9.8 14.6



#50
Dibromochloromethane
Concen: 25.984 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 129 Resp: 126013
Ion Ratio Lower Upper
129 100
127 76.9 53.8 100.0

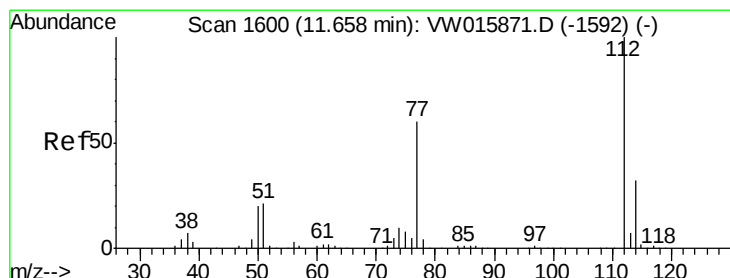
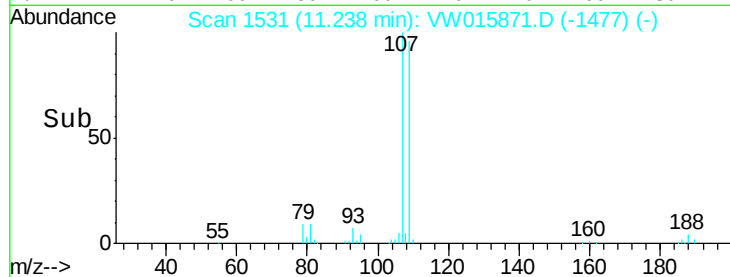
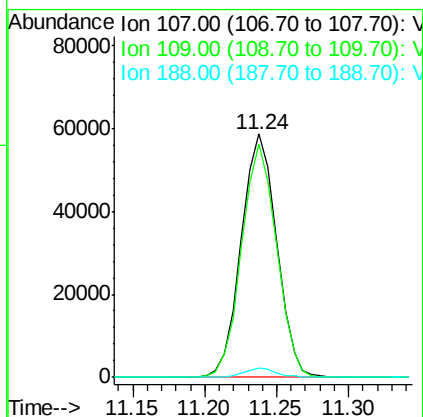
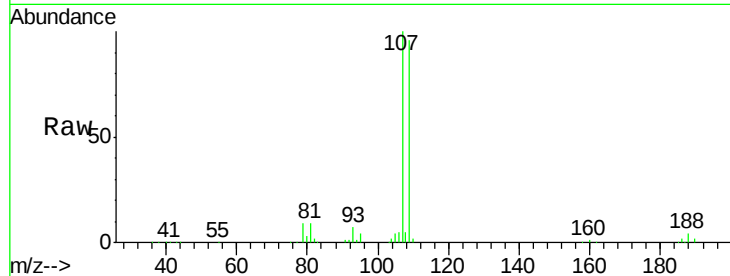




#51
1,2-Dibromoethane
Concen: 25.903 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

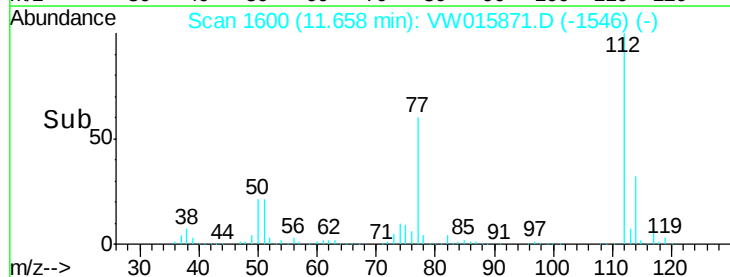
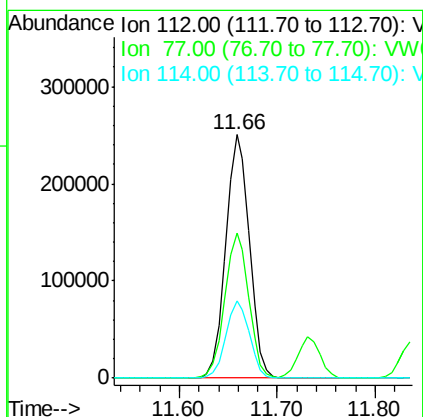
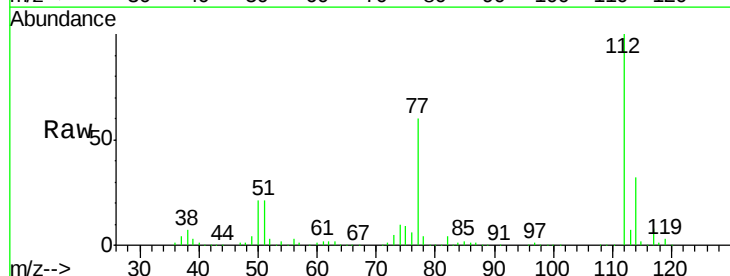
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

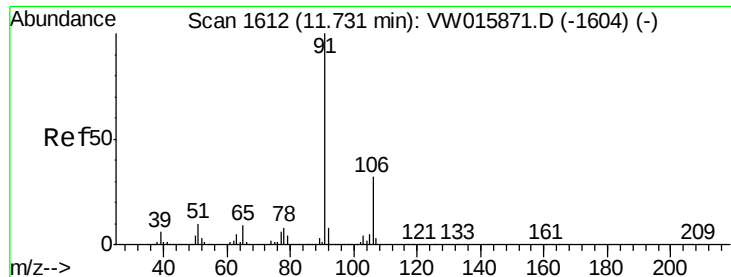
Tgt Ion:107 Resp: 100145
Ion Ratio Lower Upper
107 100
109 95.6 66.9 124.3
188 4.0 3.2 4.8



#52
Chlorobenzene
Concen: 25.781 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion:112 Resp: 418550
Ion Ratio Lower Upper
112 100
77 59.7 47.8 71.6
114 31.6 22.1 41.1

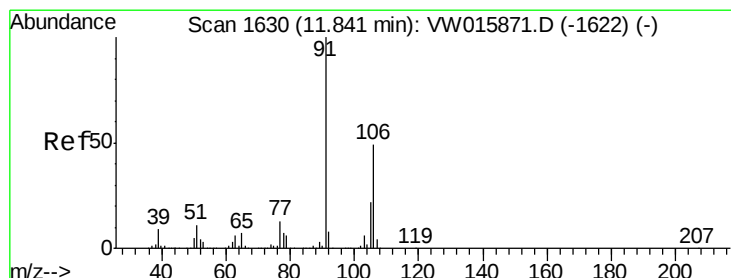
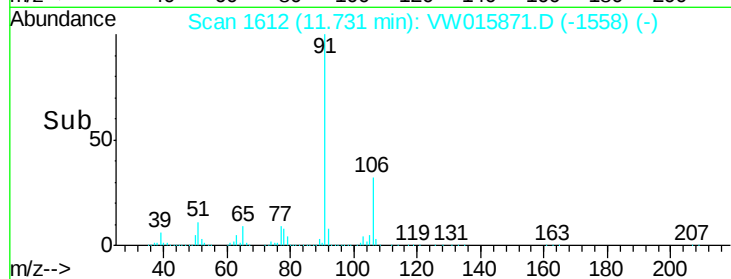
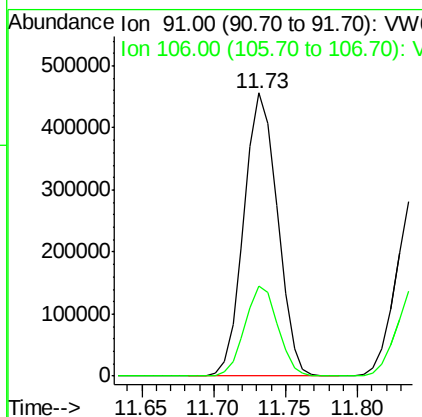
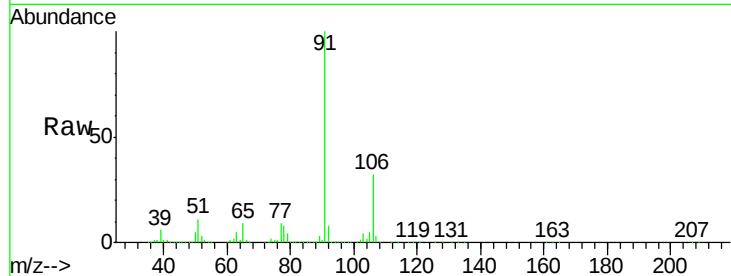




#53
Ethylbenzene
Concen: 26.348 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

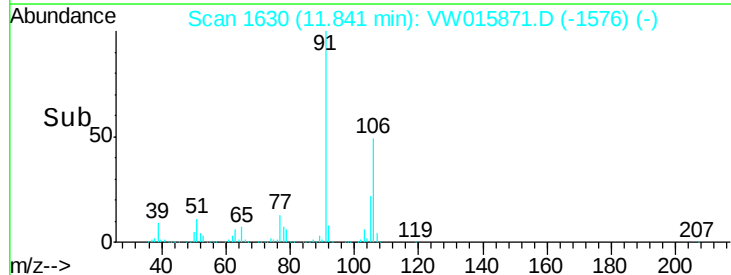
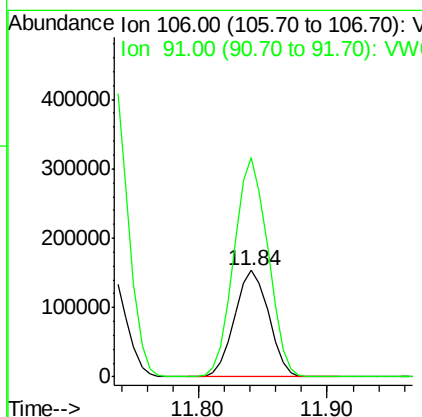
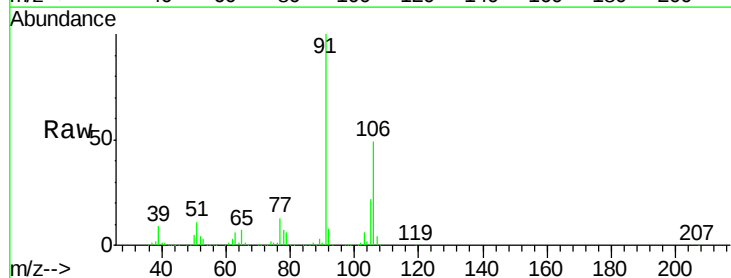
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

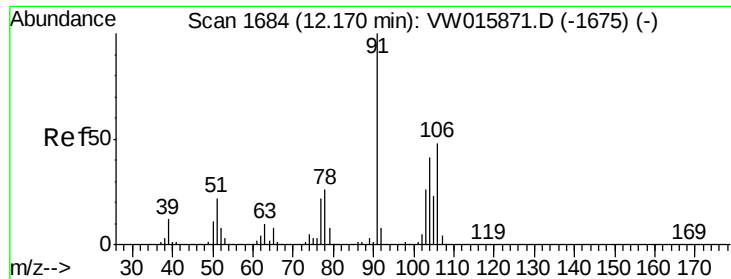
Tgt Ion: 91 Resp: 737995
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#54
m,p-Xylene
Concen: 26.442 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 106 Resp: 282496
Ion Ratio Lower Upper
106 100
91 205.8 144.1 267.5

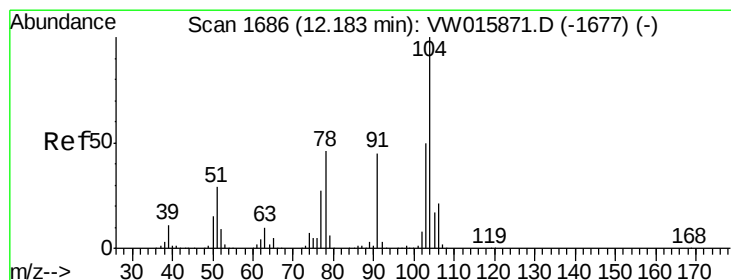
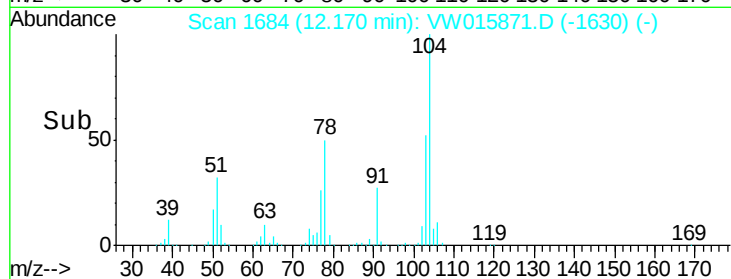
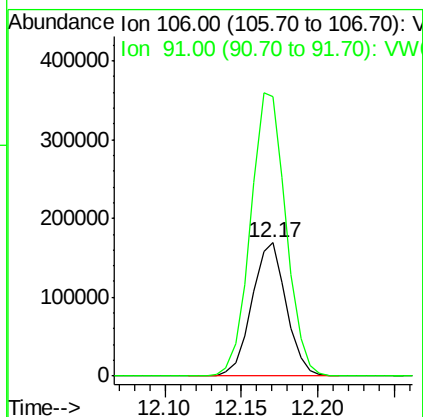
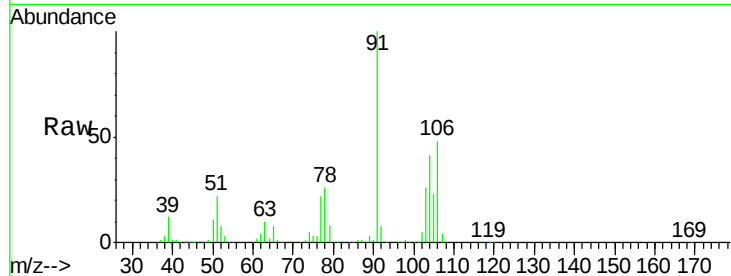




#55
o-xylene
Concen: 26.184 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

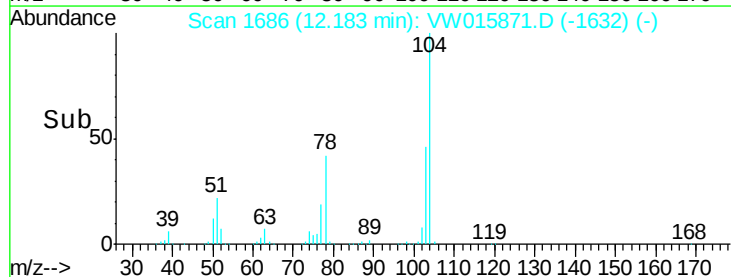
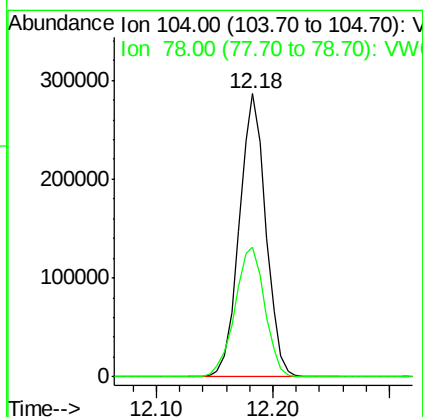
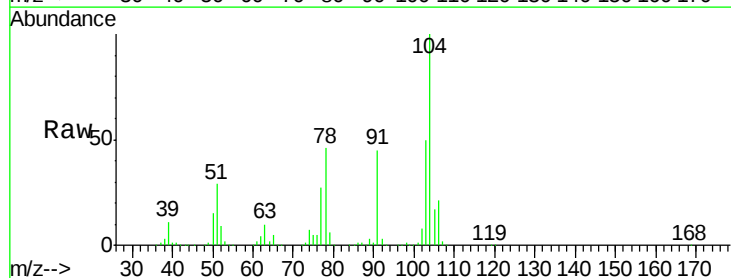
Instrument :
MSVOA_W
ClientSampleId :
VSTD02502

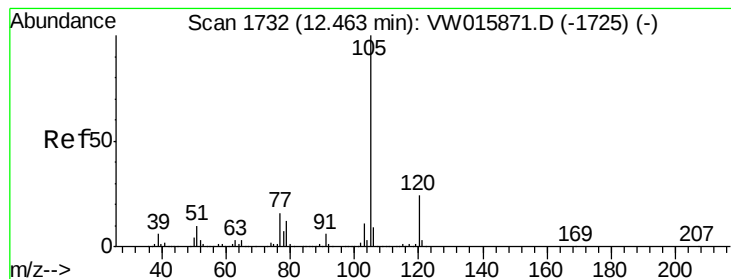
Tgt Ion:106 Resp: 264480
Ion Ratio Lower Upper
106 100
91 209.7 146.8 272.6



#56
Styrene
Concen: 26.559 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015871.D
Acq: 20 Jul 2020 12:10

Tgt Ion:104 Resp: 453510
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#57

Isopropylbenzene

Concen: 26.407 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

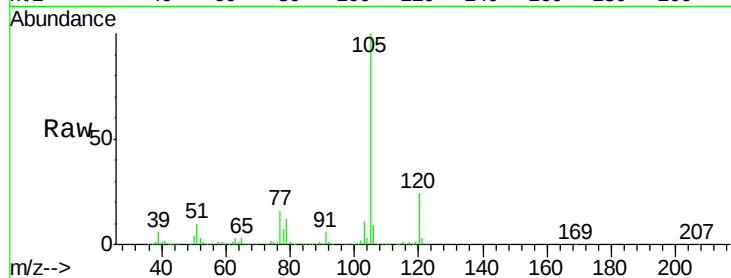
Tgt Ion: 105 Resp: 733858

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

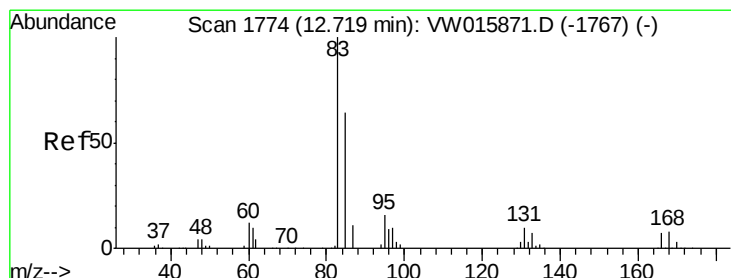
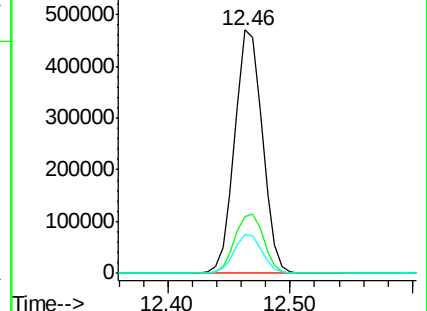
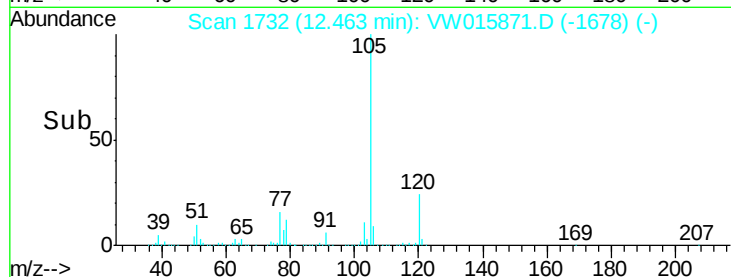
77 16.1 12.9 19.3



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: 26.384 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

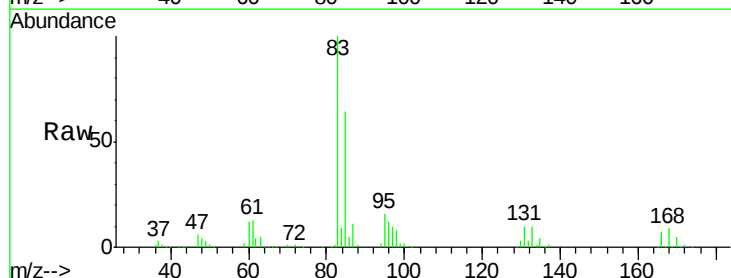
Tgt Ion: 83 Resp: 123578

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

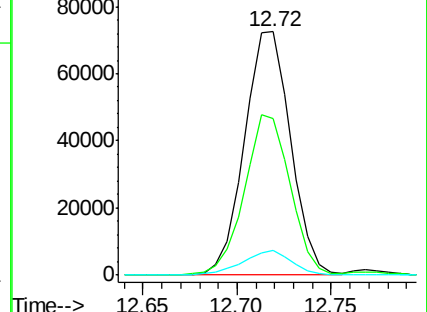
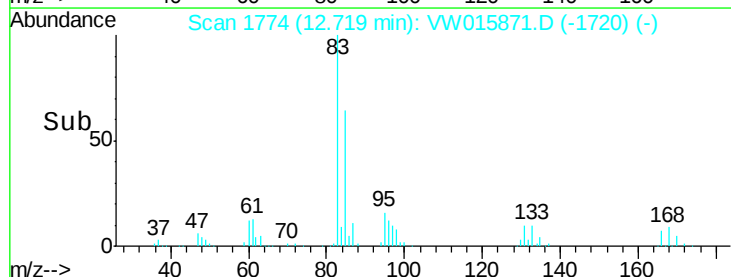
131 10.3 8.2 12.4

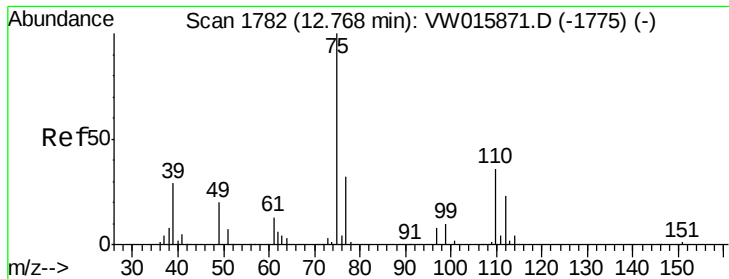


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

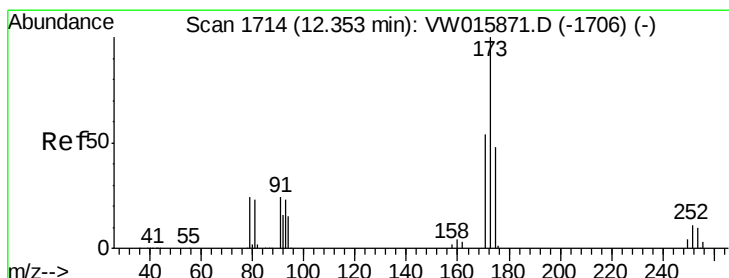
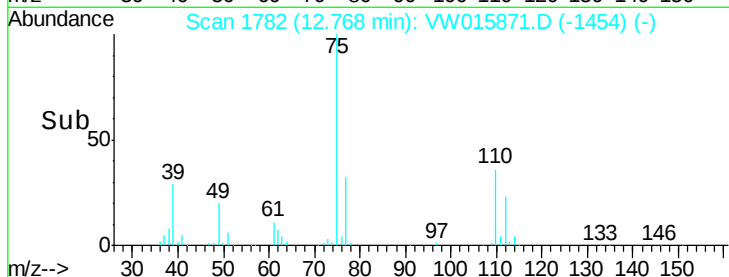
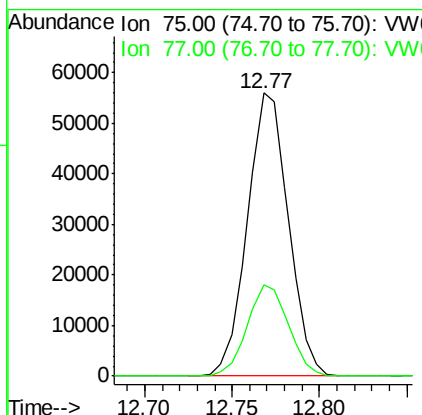
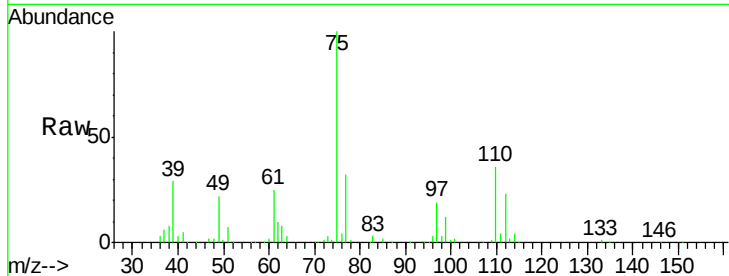




#59
 1,2,3-Trichloropropane
 Concen: 26.565 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

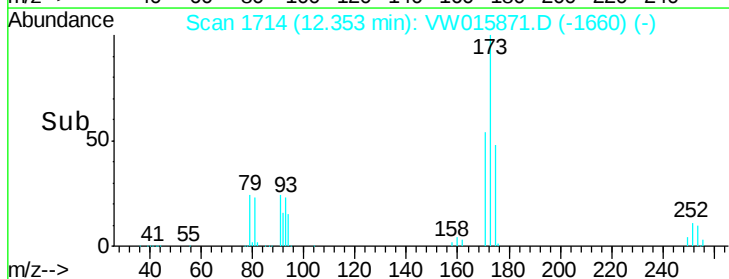
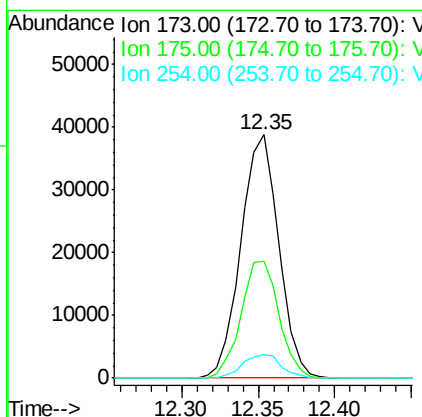
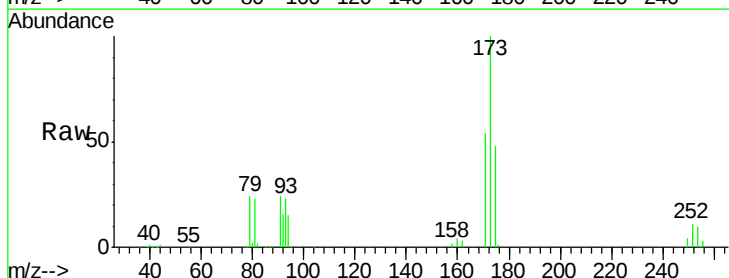
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

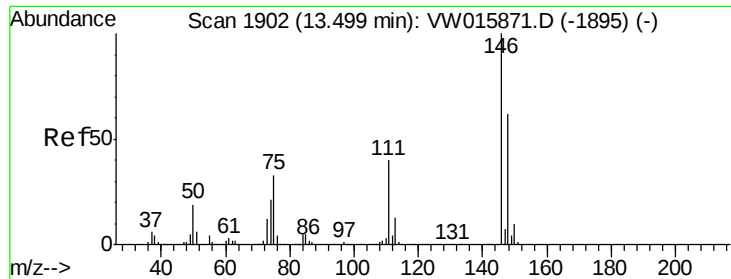
Tgt Ion: 75 Resp: 91485
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#62
 Bromoform
 Concen: 26.602 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 173 Resp: 66759
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.7 58.1
 254 9.9 7.9 11.9

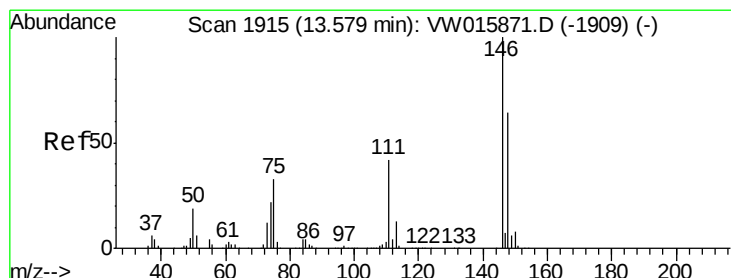
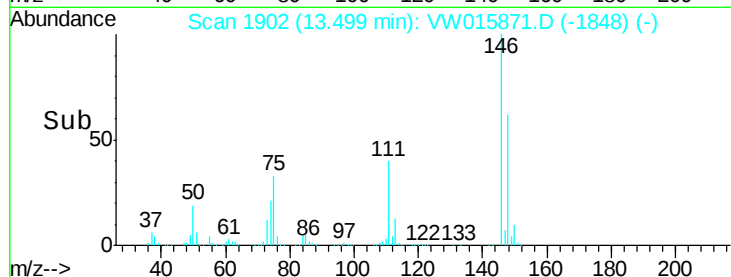
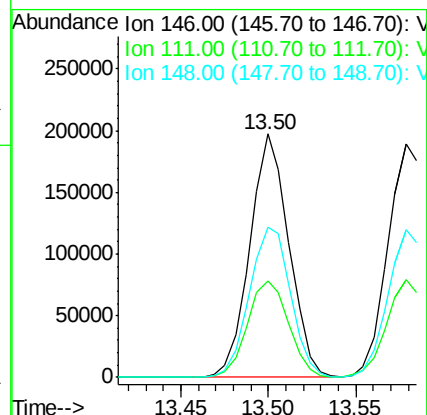
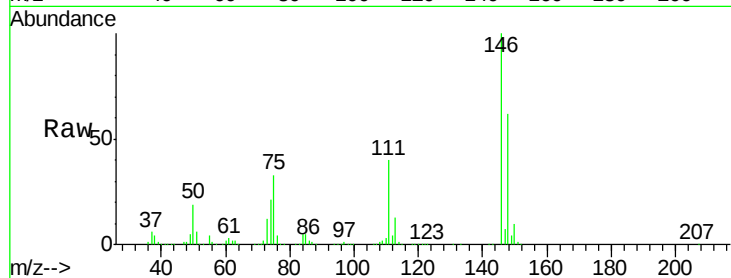




#63
 1,3-Dichlorobenzene
 Concen: 26.536 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

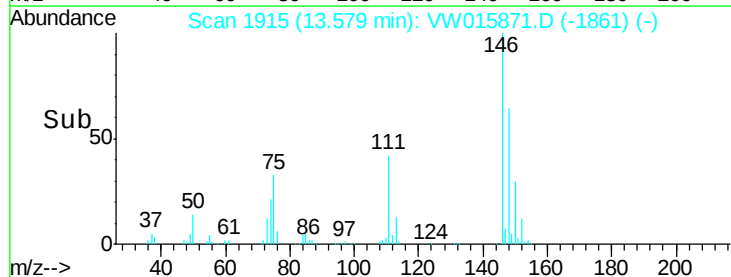
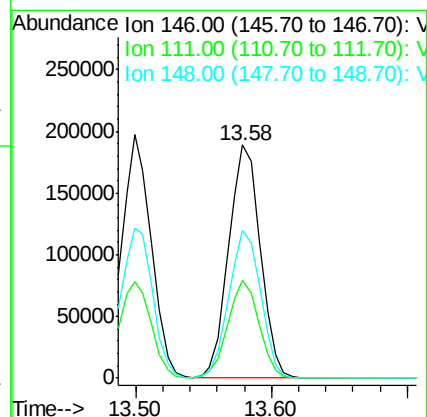
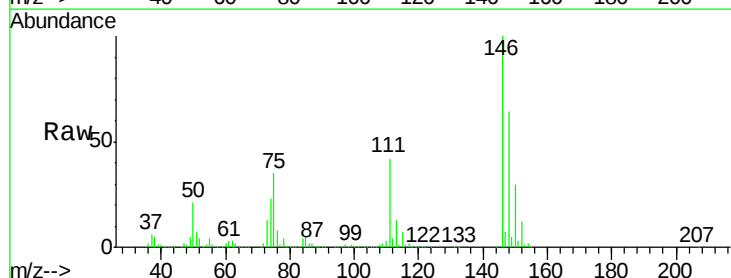
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

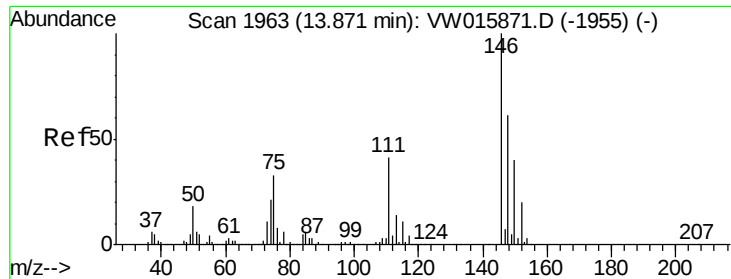
Tgt Ion:146 Resp: 304421
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 61.7 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 26.304 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion:146 Resp: 305979
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.3 54.3
 148 63.6 44.5 82.7

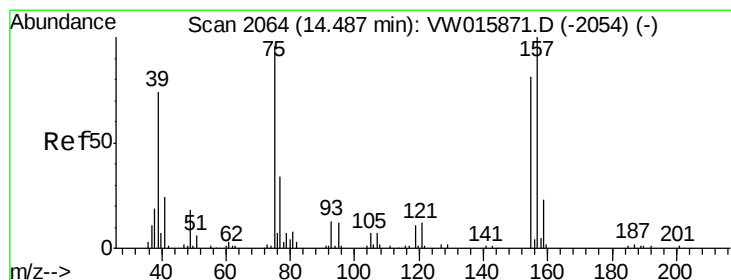
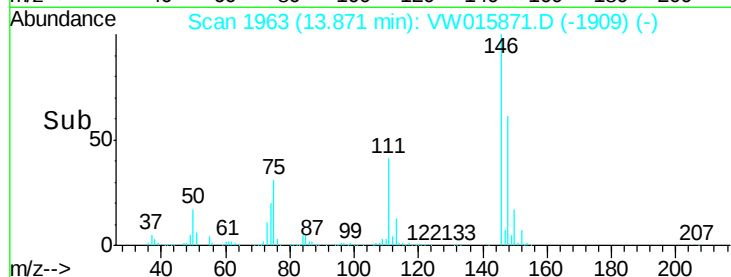
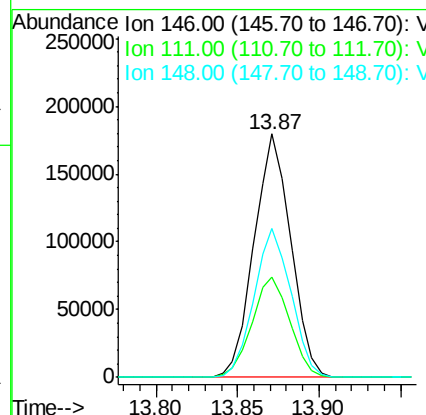
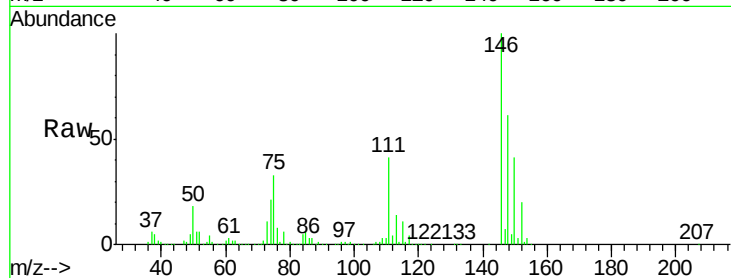




#65
 1,2-Dichlorobenzene
 Concen: 26.825 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

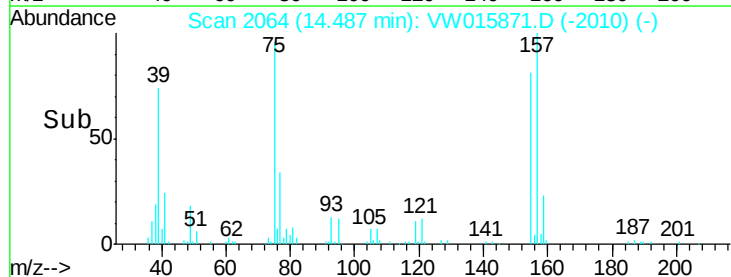
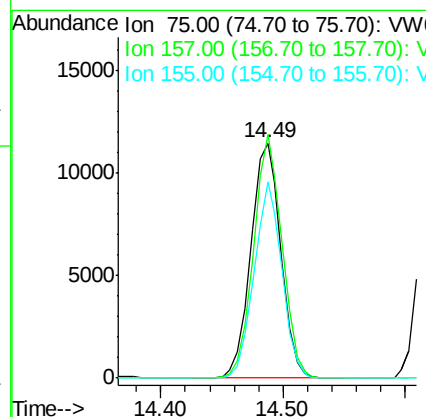
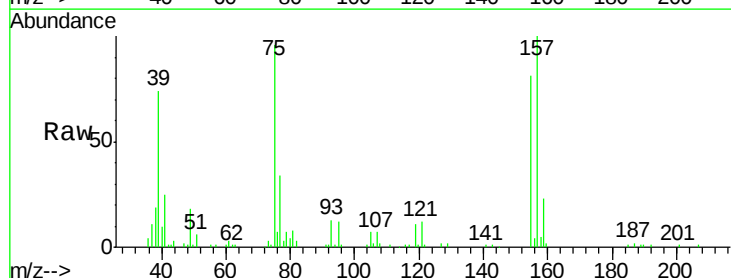
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

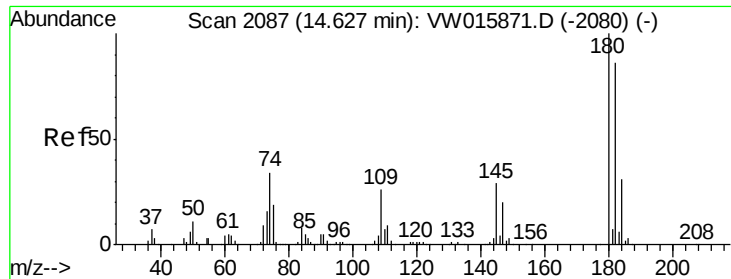
Tgt Ion: 146 Resp: 282067
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.9 49.3
 148 61.0 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.814 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 75 Resp: 19441
 Ion Ratio Lower Upper
 75 100
 157 103.7 83.0 124.4
 155 83.6 66.9 100.3

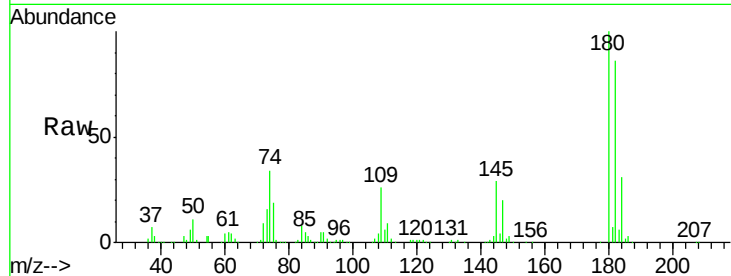




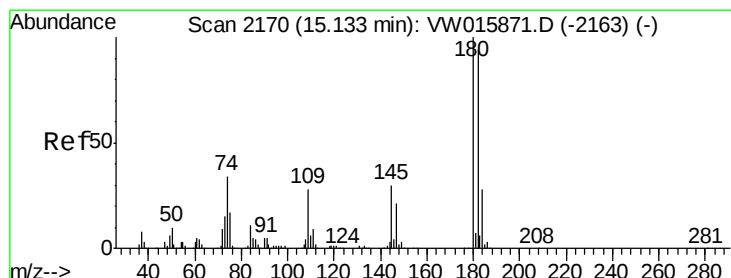
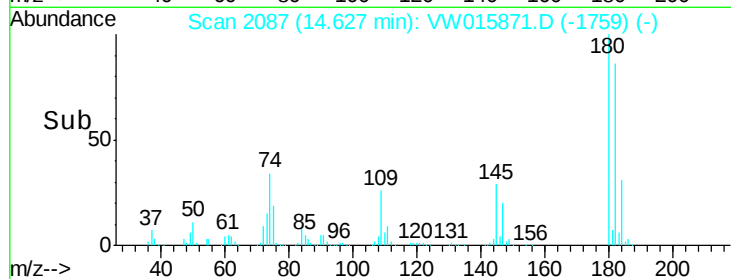
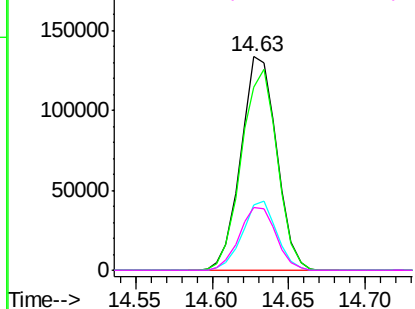
#67
 1,3,5-Trichlorobenzene
 Concen: 27.940 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Tgt Ion:	180	Resp:	216839
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
184	30.8	24.6	37.0
145	30.1	24.1	36.1

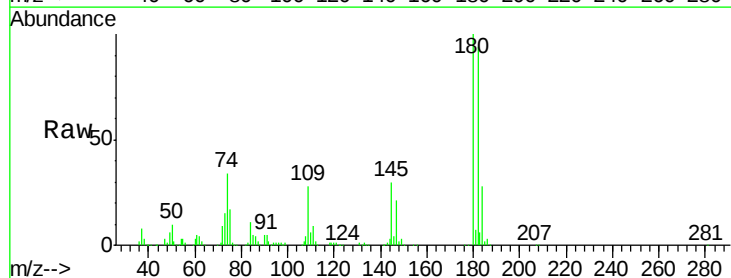


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

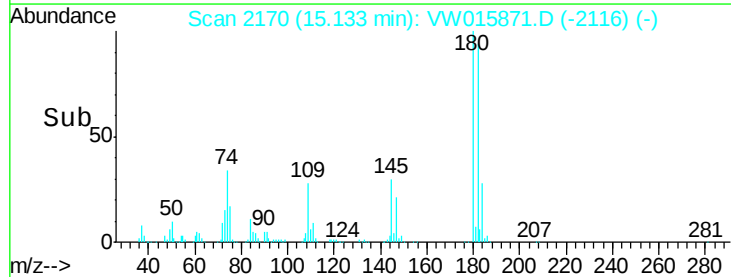
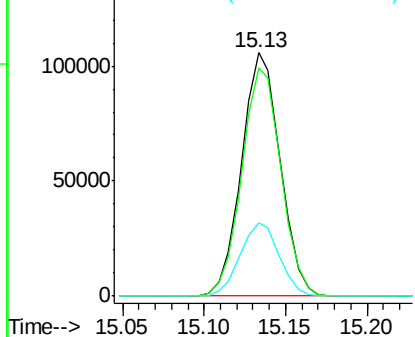


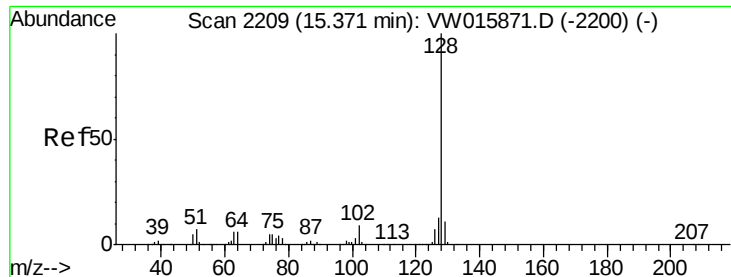
#68
 1,2,4-trichlorobenzene
 Concen: 28.602 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015871.D
 Acq: 20 Jul 2020 12:10

Tgt Ion:	180	Resp:	174070
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	30.4	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: 28.917 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02502

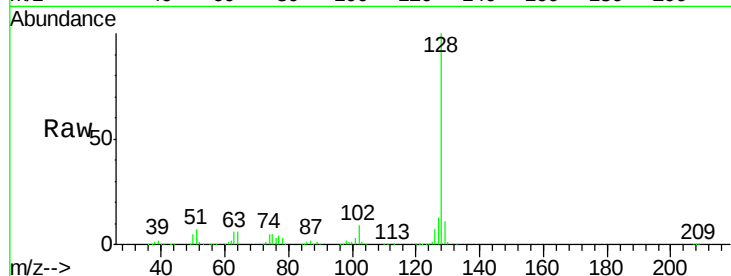
Tgt Ion:128 Resp: 315128

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

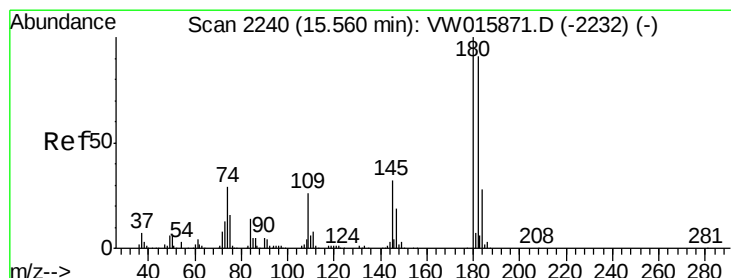
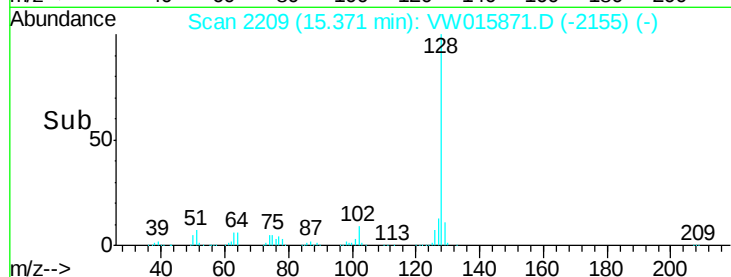
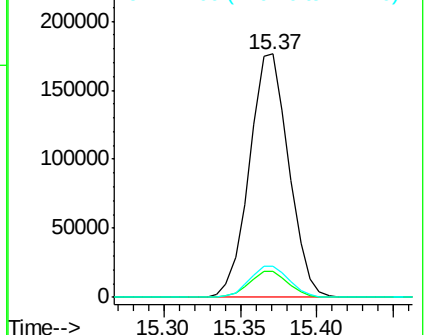
127 13.1 10.5 15.7



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: 28.621 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015871.D

Acq: 20 Jul 2020 12:10

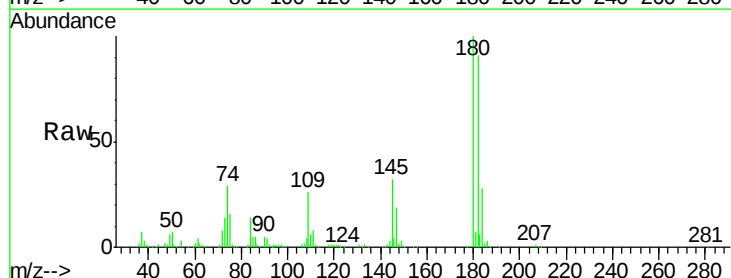
Tgt Ion:180 Resp: 156391

Ion Ratio Lower Upper

180 100

182 92.5 74.0 111.0

145 32.4 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

