

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071320\
 Data File : VW015841.D
 Acq On : 13 Jul 2020 12:15
 Operator : SY/VA
 Sample : VSTD05002
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

Quant Time: Jul 13 13:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 13:00:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	322935	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	319157	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171420	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	249588	47.48	ug/L	0.00
7) Chloroethane-d5	2.90	69	258862	56.71	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	371860	41.71	ug/L	0.00
20) 2-Butanone-d5	7.08	46	94381	90.57	ug/L	0.00
24) Chloroform-d	7.65	84	426658	47.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	232527	46.07	ug/L	0.00
29) Benzene-d6	8.28	84	855040	45.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	243542	44.24	ug/L	0.00
37) Toluene-d8	10.33	98	854704	48.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	114397	47.29	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	86981	100.03	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	220772	51.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	317089	48.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	120705	43.799 ug/L	95
3) Chloromethane	2.22	50	166189	50.024 ug/L	99
5) Vinyl chloride	2.37	62	280887	55.126 ug/L	100
6) Bromomethane	2.79	94	243153	65.607 ug/L	99
8) Chloroethane	2.93	64	210711	63.051 ug/L	99
9) Trichlorofluoromethane	3.26	101	291687	71.705 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	183144	48.504 ug/L	98
12) 1,1-Dichloroethene	4.04	96	174029	47.748 ug/L	87
13) Acetone	4.12	43	69065	80.872 ug/L	99
14) Carbon disulfide	4.38	76	573180	49.765 ug/L	100
15) Methyl Acetate	4.67	43	76510	48.699 ug/L	99
16) Methylene chloride	4.92	84	199717	42.645 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	280643	50.084 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	214065	52.802 ug/L	98
19) 1,1-Dichloroethane	6.22	63	359104	49.520 ug/L	99
21) 2-Butanone	7.17	43	100012	92.209 ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	224308	53.731 ug/L	98
23) Bromochloromethane	7.52	128	103637	56.211 ug/L	95
25) Chloroform	7.68	83	390407	52.628 ug/L	99
27) 1,2-Dichloroethane	8.40	62	264426	51.853 ug/L	99
30) Cyclohexane	7.96	56	337143	47.860 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	349238	50.461 ug/L	99
32) Carbon tetrachloride	8.07	117	335393	53.143 ug/L	100
34) Benzene	8.33	78	892342	50.850 ug/L	100
35) Trichloroethene	9.09	95	236715	50.269 ug/L	97
36) Methylcyclohexane	9.34	83	427545	52.535 ug/L	98
40) 1,2-Dichloropropane	9.37	63	207521	48.635 ug/L	100
41) Bromodichloromethane	9.65	83	293625	52.683 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	350183	52.814 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	230209	97.005 ug/L	99

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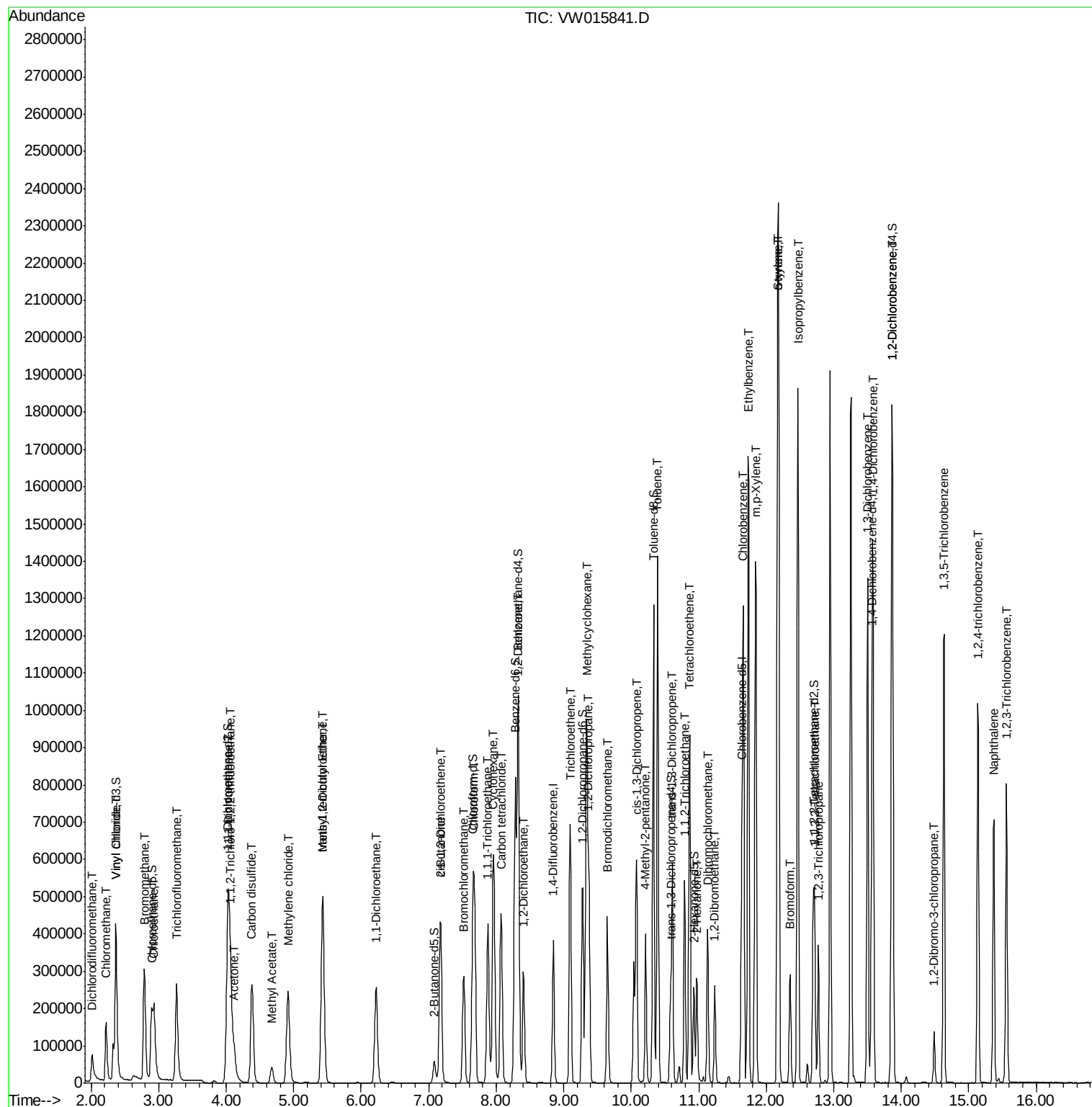
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1022826	53.089	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	315655	54.644	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	173133	55.795	ug/L	96
47) Tetrachloroethene	10.87	164	202253	53.129	ug/L	96
49) 2-Hexanone	10.97	43	164623	99.097	ug/L	100
50) Dibromochloromethane	11.13	129	219337	59.526	ug/L	99
51) 1,2-Dibromoethane	11.24	107	169393	56.060	ug/L	94
52) Chlorobenzene	11.66	112	668871	54.751	ug/L	98
53) Ethylbenzene	11.73	91	1184472	54.412	ug/L	98
54) m,p-Xylene	11.84	106	467590	56.895	ug/L	92
55) o-xylene	12.17	106	445471	56.533	ug/L	95
56) Styrene	12.18	104	776489	58.238	ug/L	100
57) Isopropylbenzene	12.47	105	1226509	56.602	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	207386	56.747	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	151353	54.907	ug/L	99
62) Bromoform	12.35	173	130368	59.108	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	556990	53.912	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	551682	53.484	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	506247	55.669	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.49	75	32670	51.831	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	376484	53.727	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	317845	56.428	ug/L	99
69) Naphthalene	15.37	128	628016	61.126	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	287850	59.145	ug/L	100

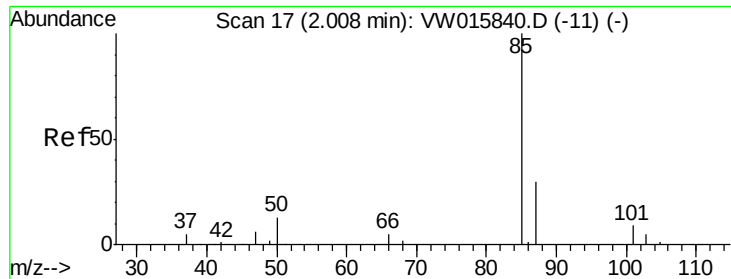
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.799 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

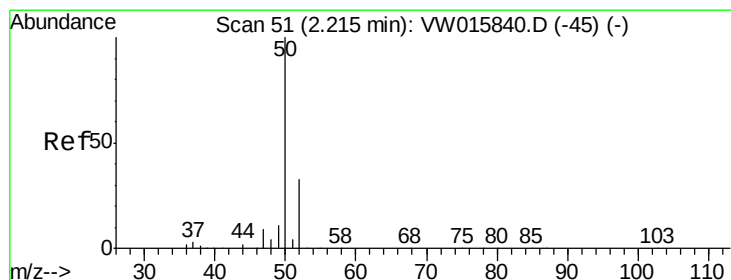
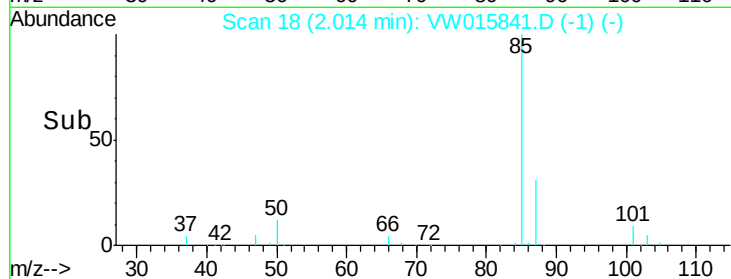
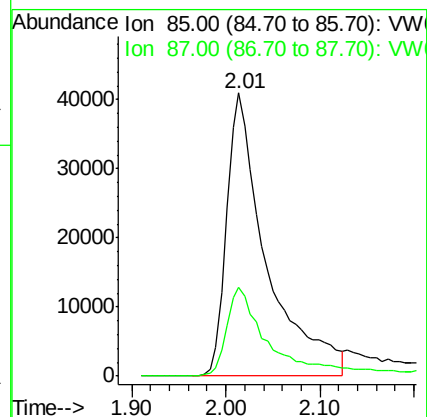
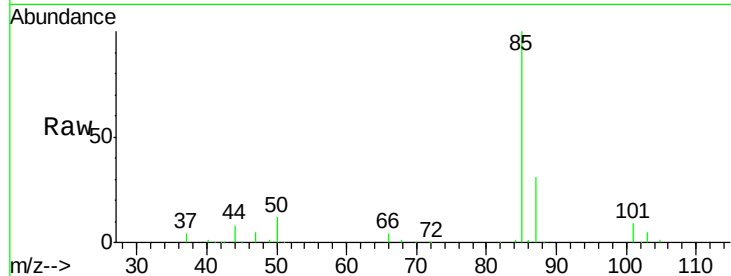
VSTD05002

Tgt Ion: 85 Resp: 120705

Ion Ratio Lower Upper

85 100

87 30.4 23.2 43.0



#3

Chloromethane

Concen: 50.024 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015841.D

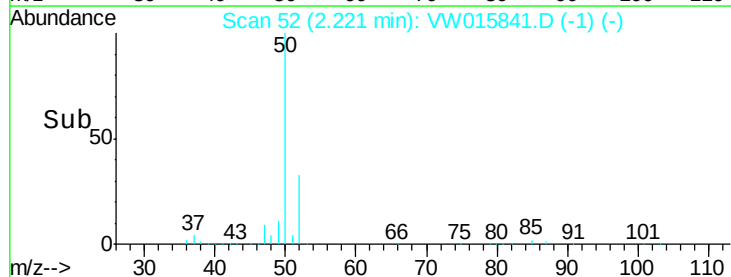
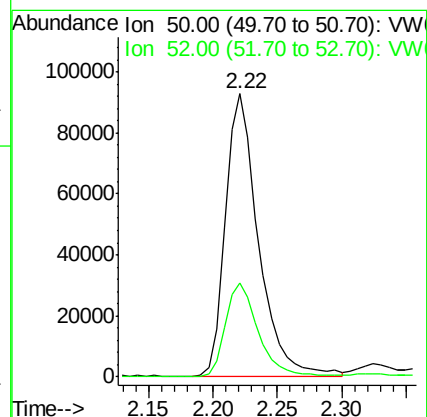
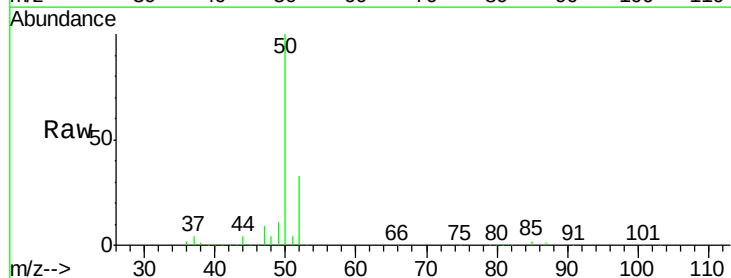
Acq: 13 Jul 2020 12:15

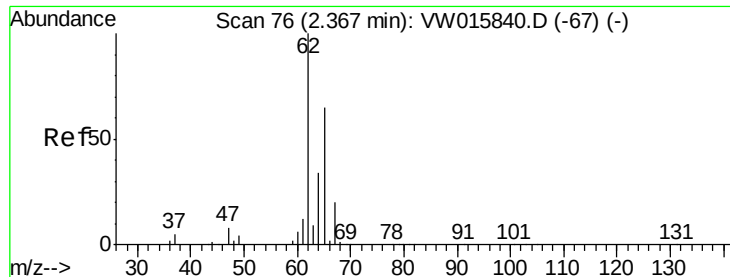
Tgt Ion: 50 Resp: 166189

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 55.126 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

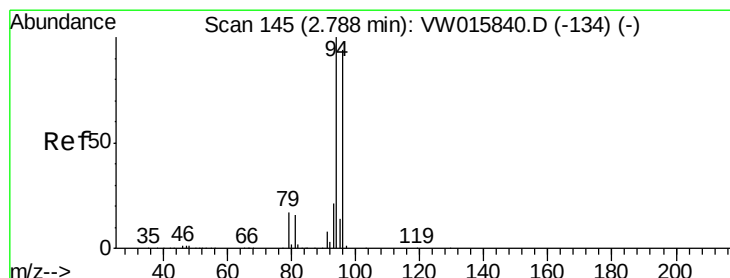
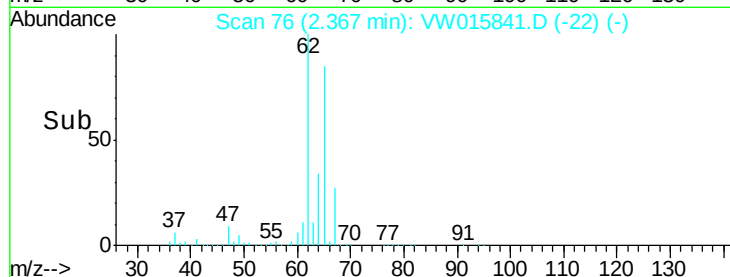
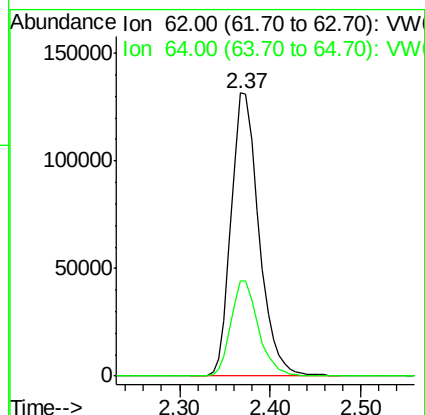
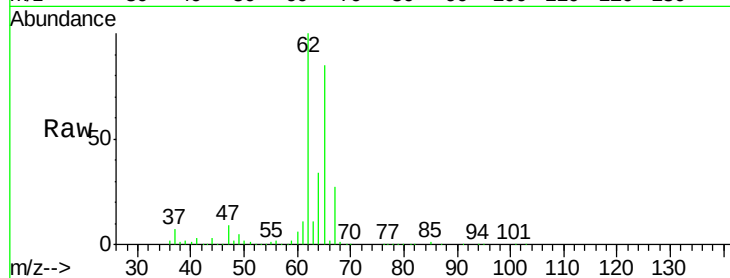
VSTD05002

Tgt Ion: 62 Resp: 280887

Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



#6

Bromomethane

Concen: 65.607 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015841.D

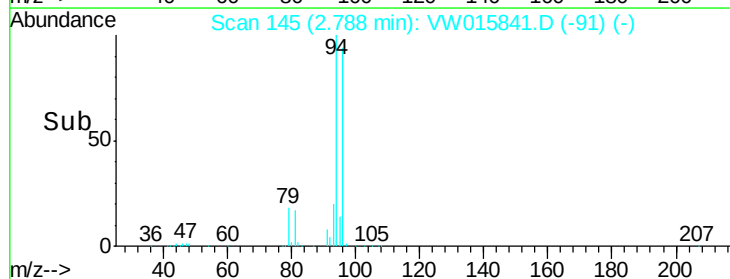
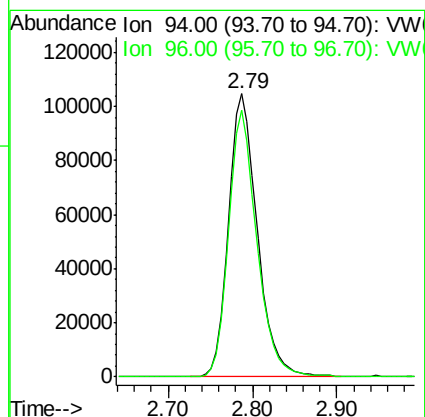
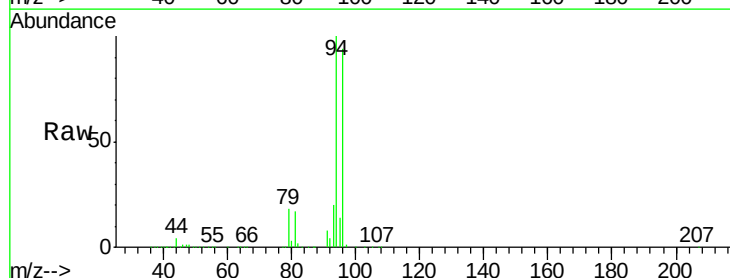
Acq: 13 Jul 2020 12:15

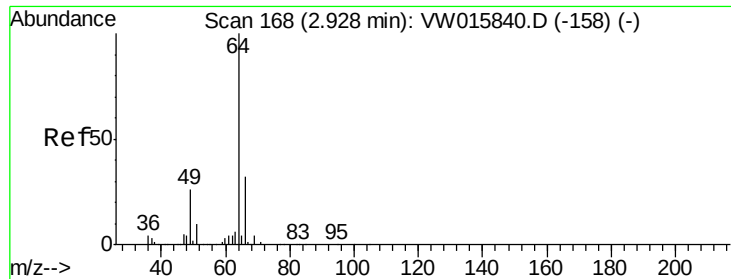
Tgt Ion: 94 Resp: 243153

Ion Ratio Lower Upper

94 100

96 93.1 9.4 179.0





#8

Chloroethane

Concen: 63.051 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

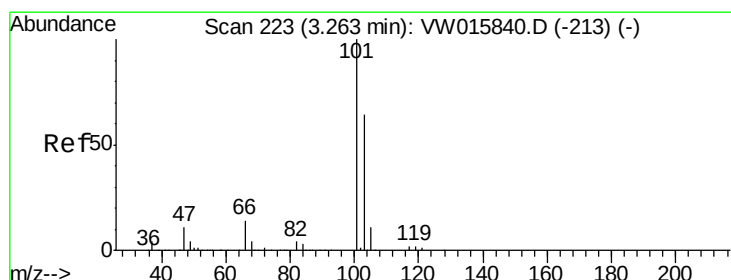
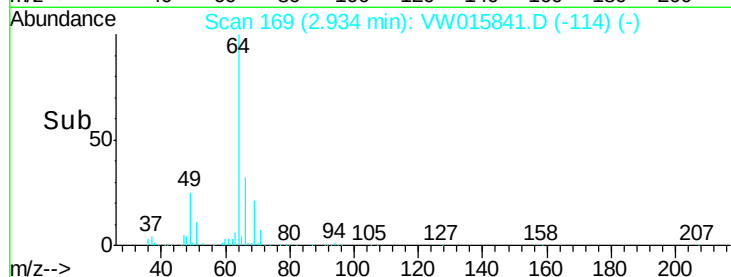
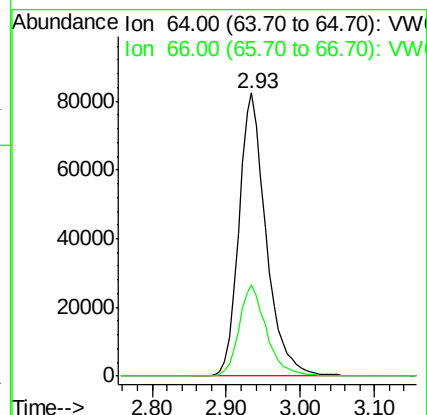
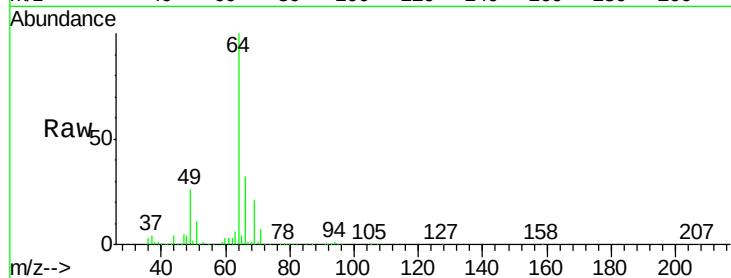
VSTD05002

Tgt Ion: 64 Resp: 210711

Ion Ratio Lower Upper

64 100

66 32.4 22.2 41.2



#9

Trichlorofluoromethane

Concen: 71.705 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015841.D

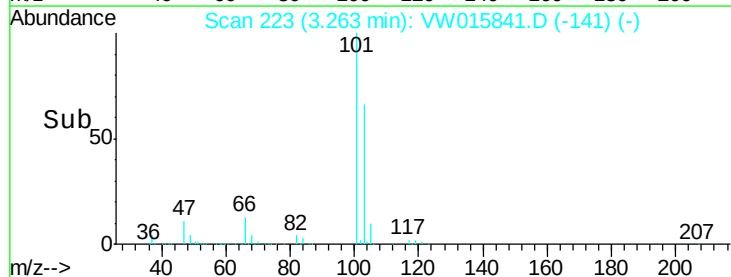
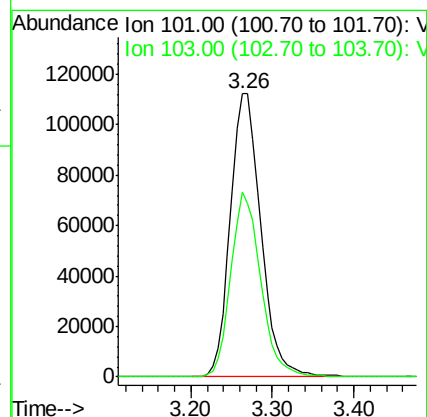
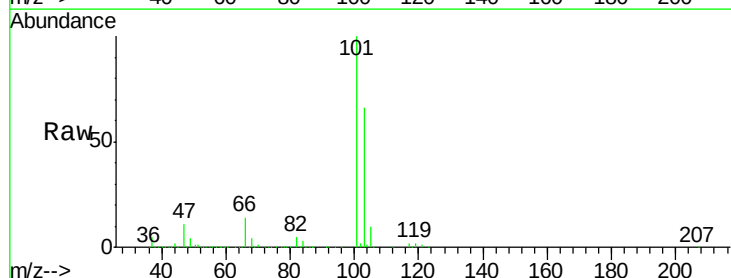
Acq: 13 Jul 2020 12:15

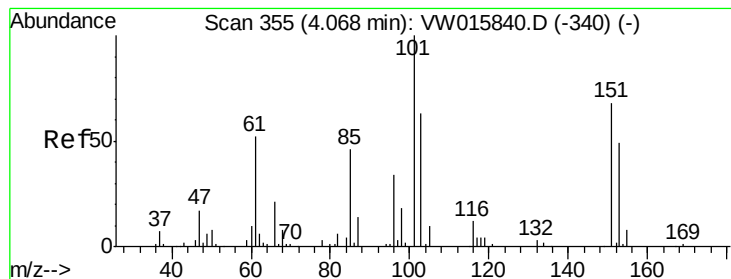
Tgt Ion: 101 Resp: 291687

Ion Ratio Lower Upper

101 100

103 63.5 46.1 85.5





#11

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

Concen: 48.504 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampled :

VSTD05002

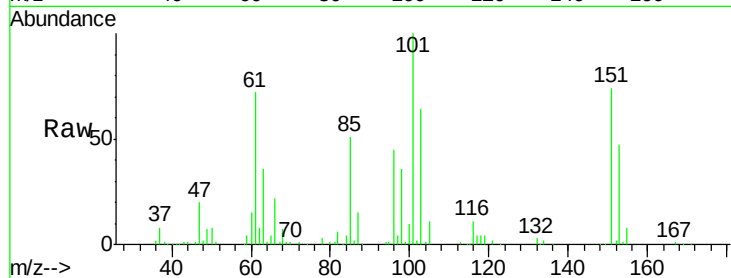
Tgt Ion: 101 Resp: 183144

Ion Ratio Lower Upper

101 100

85 46.7 38.8 58.2

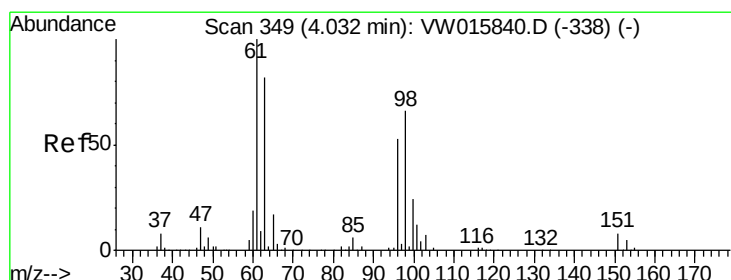
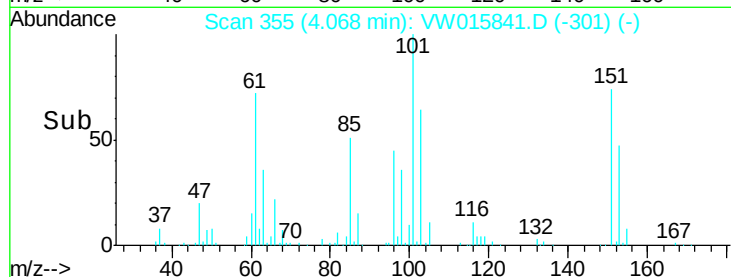
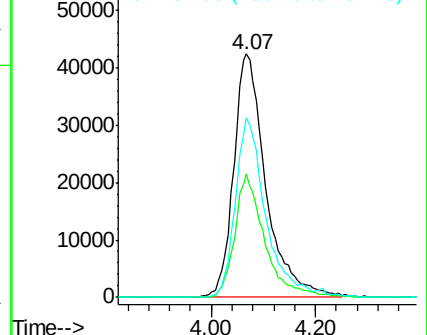
151 68.7 55.9 83.9



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: 47.748 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

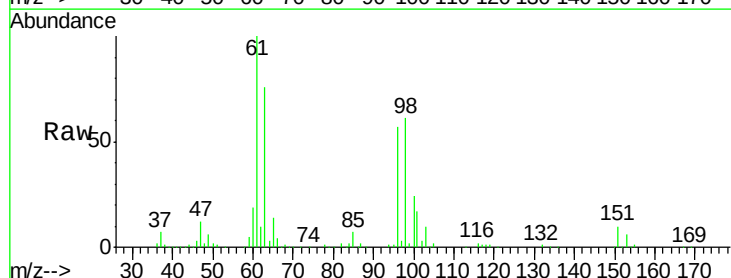
Tgt Ion: 96 Resp: 174029

Ion Ratio Lower Upper

96 100

61 176.5 131.7 244.5

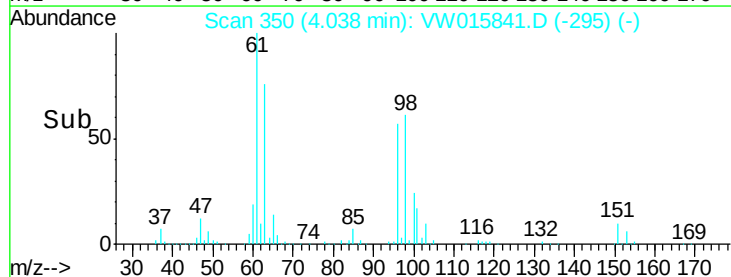
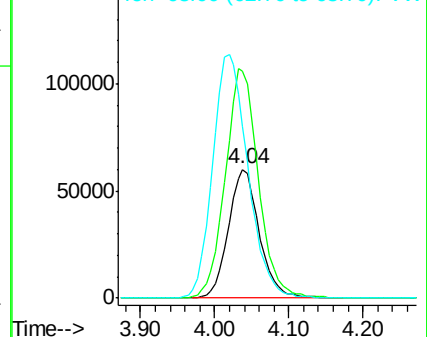
63 133.3 110.4 205.0

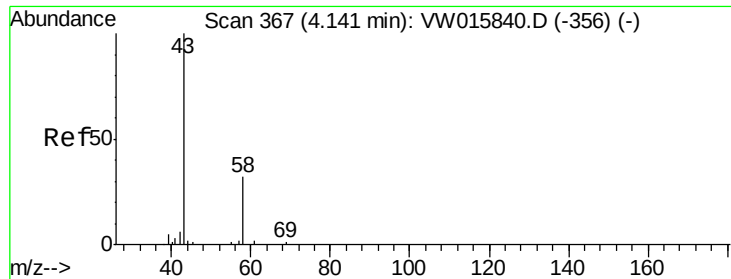


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

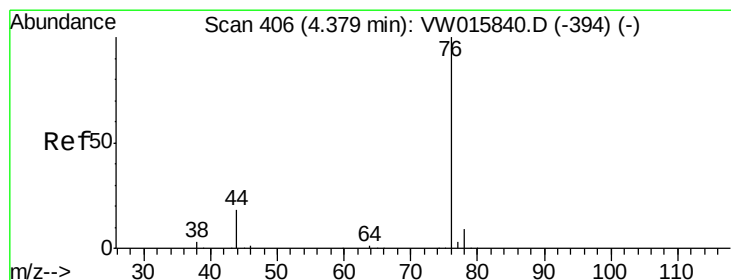
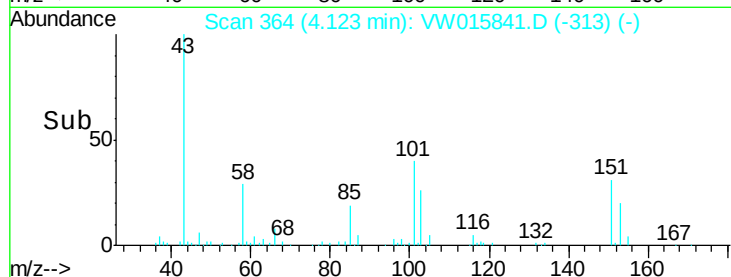
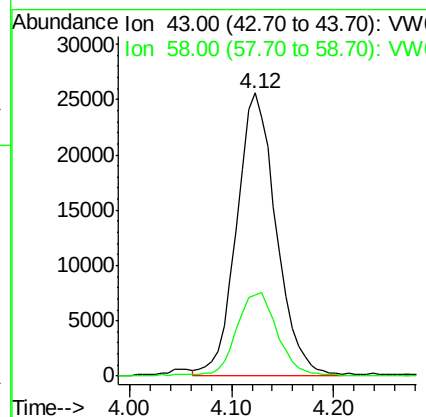
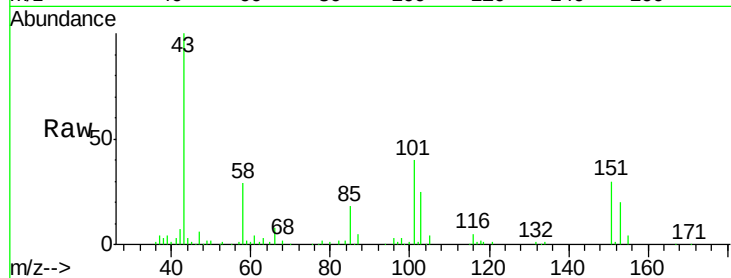




#13
Acetone
Concen: 80.872 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

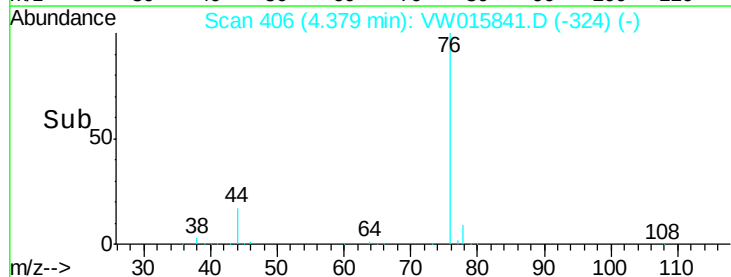
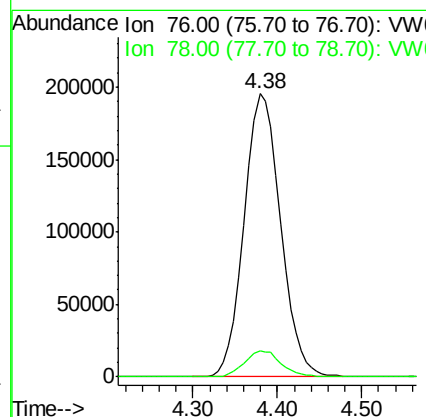
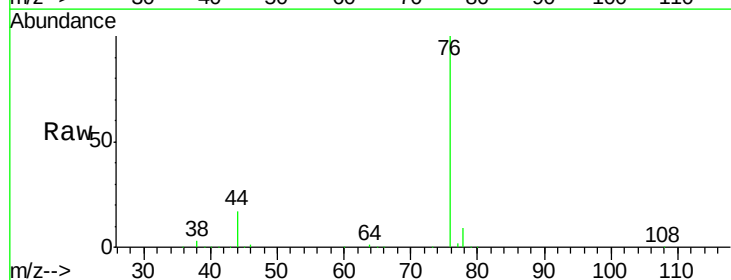
Instrument :
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ClientSampleId :
VSTD05002

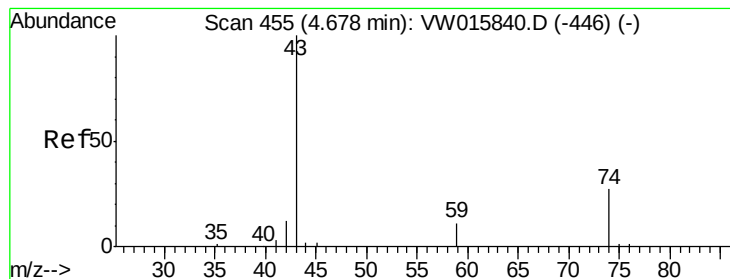
Tgt Ion: 43 Resp: 69065
Ion Ratio Lower Upper
43 100
58 30.3 0.0 59.4



#14
Carbon disulfide
Concen: 49.765 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

Tgt Ion: 76 Resp: 573180
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 48.699 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

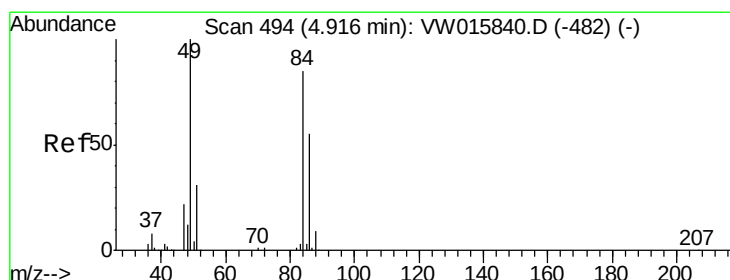
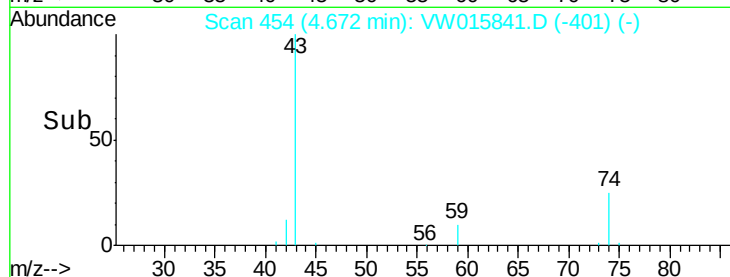
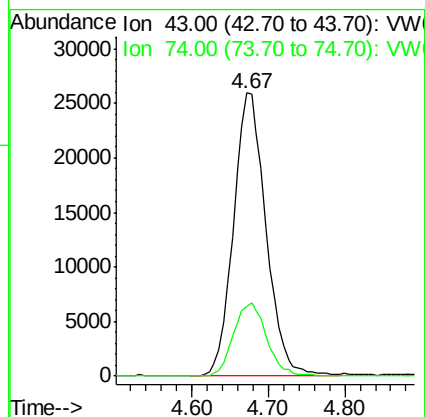
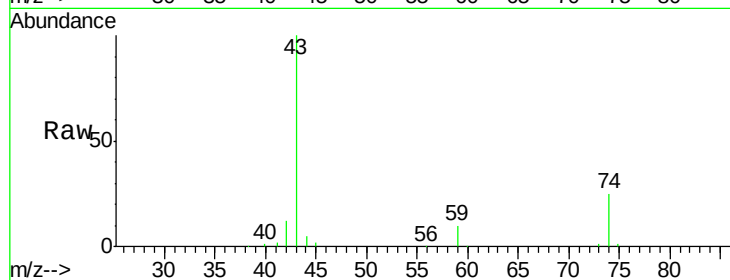
VSTD05002

Tgt Ion: 43 Resp: 76510

Ion Ratio Lower Upper

43 100

74 26.0 21.4 32.0



#16

Methylene chloride

Concen: 42.645 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

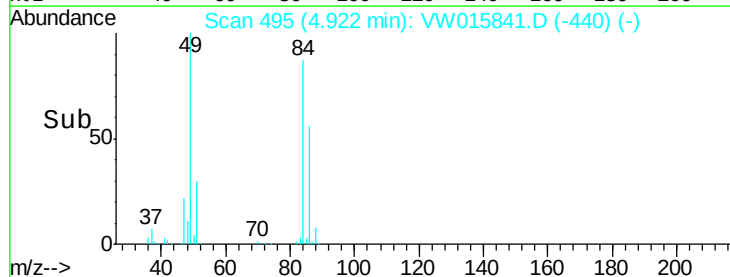
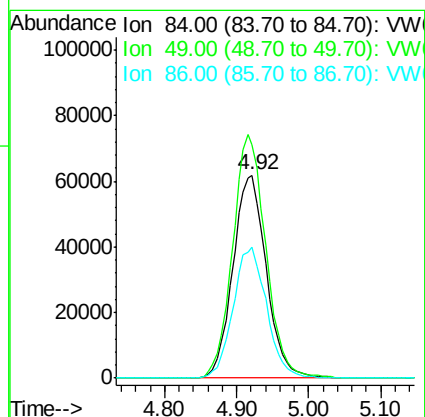
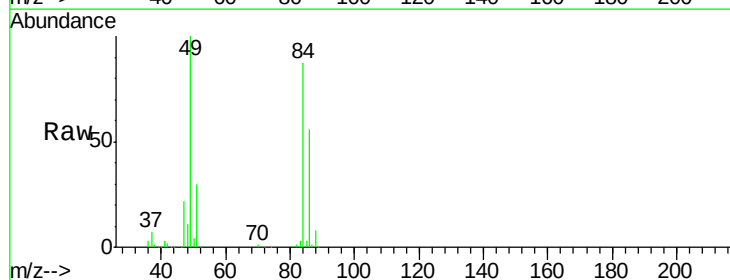
Tgt Ion: 84 Resp: 199717

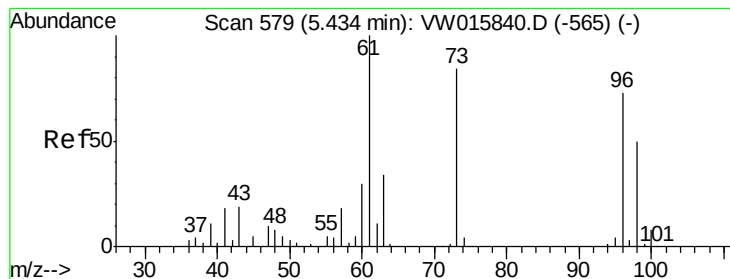
Ion Ratio Lower Upper

84 100

49 115.4 82.5 153.1

86 64.7 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 50.084 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

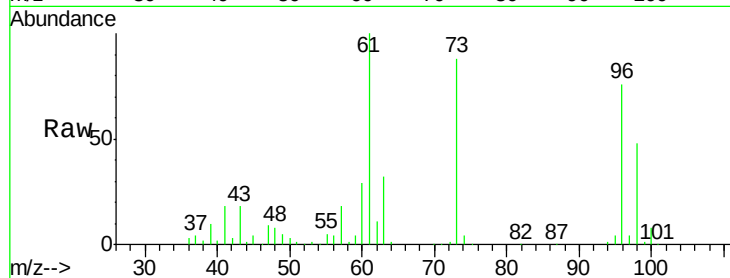
Tgt Ion: 73 Resp: 280643

Ion Ratio Lower Upper

73 100

43 20.3 17.8 26.8

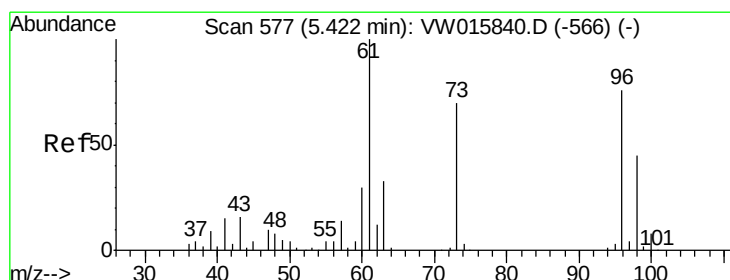
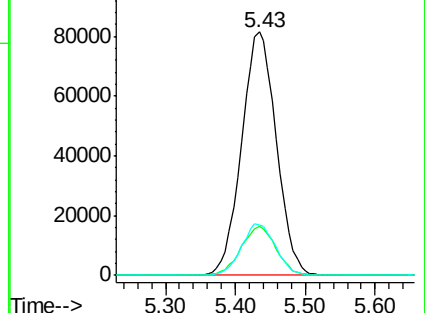
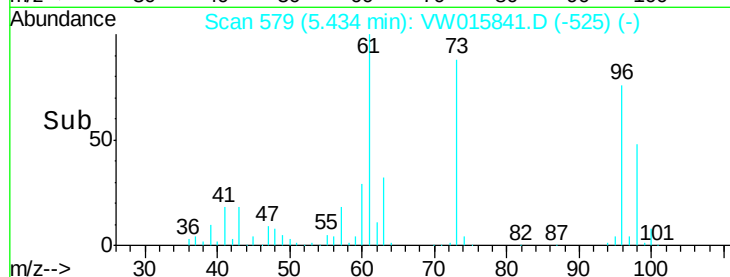
57 20.8 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 52.802 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

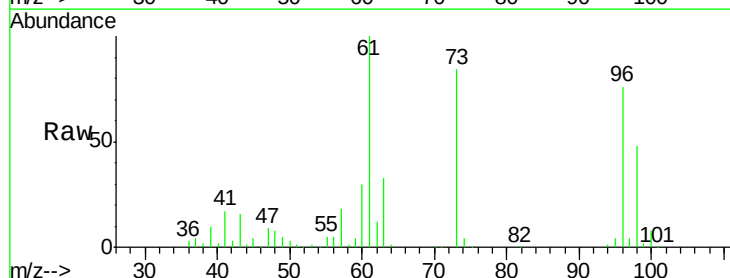
Tgt Ion: 96 Resp: 214065

Ion Ratio Lower Upper

96 100

61 130.9 92.5 171.7

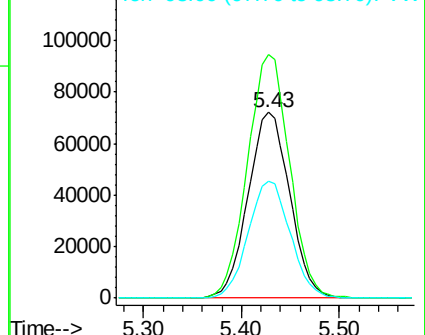
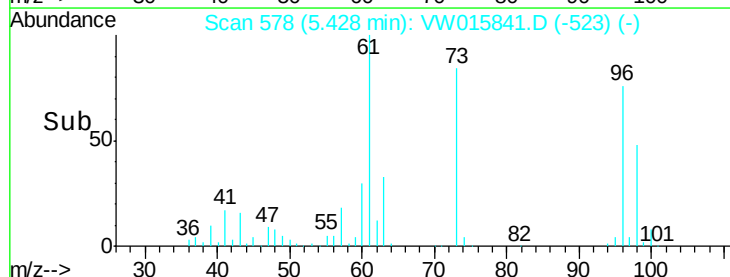
98 62.7 41.1 76.3

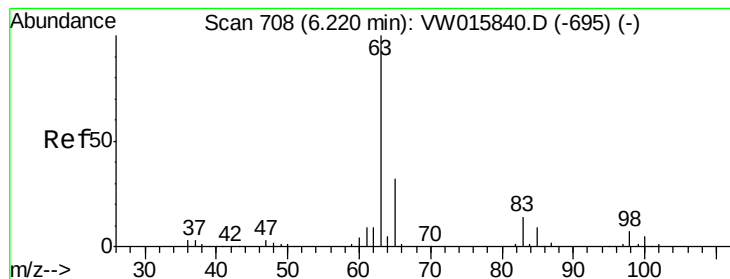


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 49.520 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

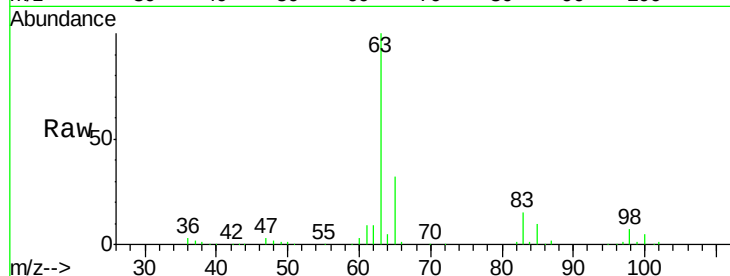
Tgt Ion: 63 Resp: 359104

Ion Ratio Lower Upper

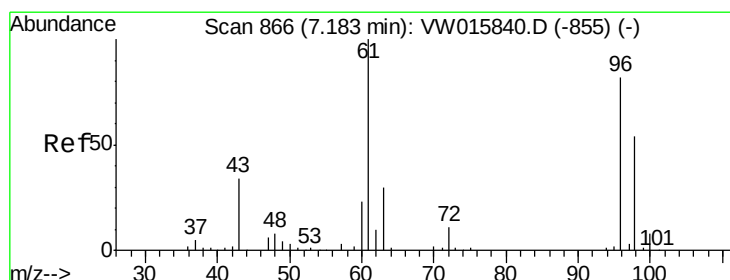
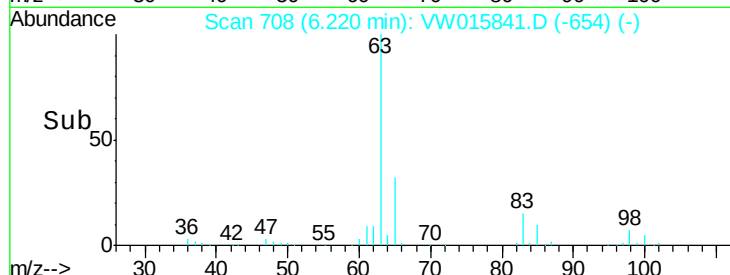
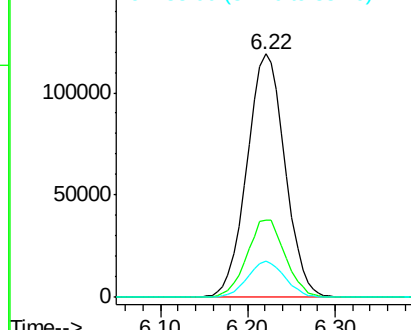
63 100

65 31.5 22.5 41.7

83 15.0 9.9 18.5



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: 92.209 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015841.D

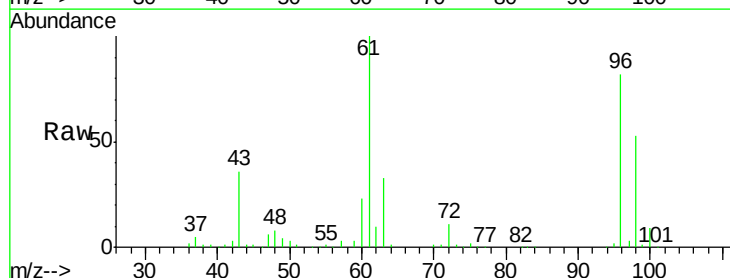
Acq: 13 Jul 2020 12:15

Tgt Ion: 43 Resp: 100012

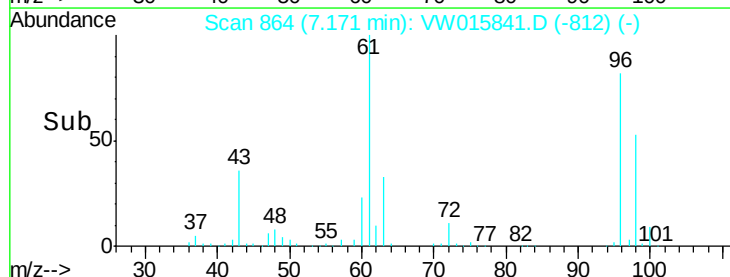
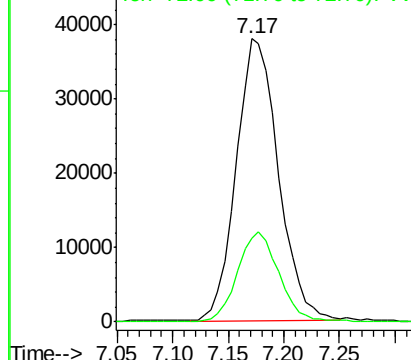
Ion Ratio Lower Upper

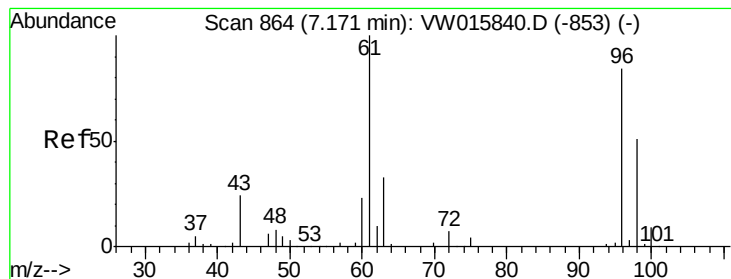
43 100

72 31.3 15.6 46.7



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



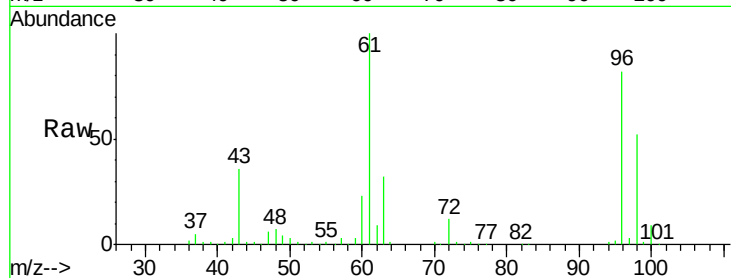


#22

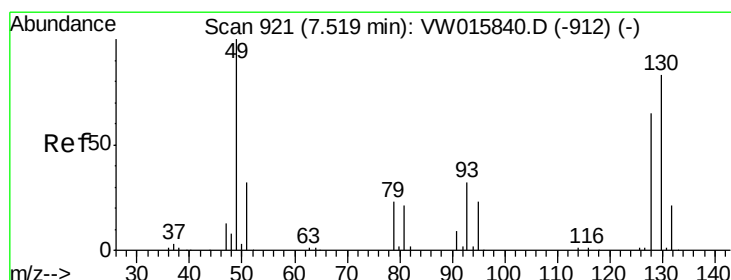
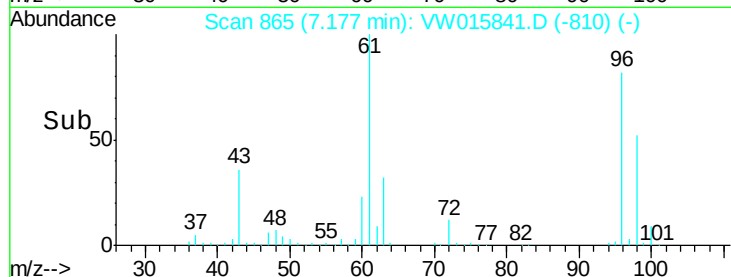
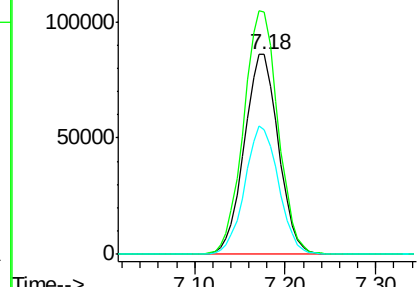
cis-1,2-Dichloroethene
 Concen: 53.731 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05002

Tgt Ion: 96 Resp: 224308
 Ion Ratio Lower Upper
 96 100
 61 121.3 83.7 155.5
 98 62.6 43.0 80.0



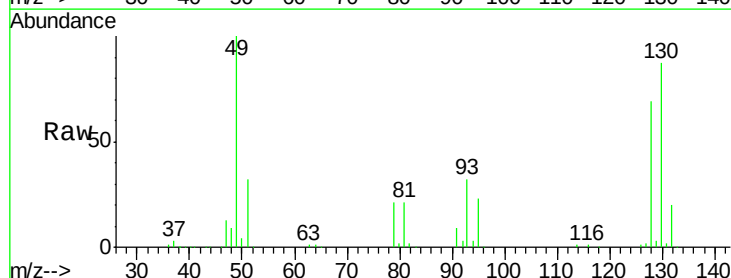
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



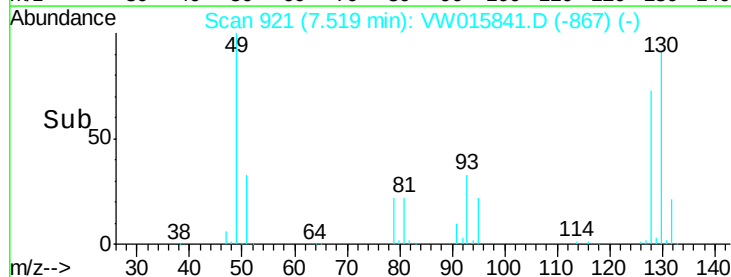
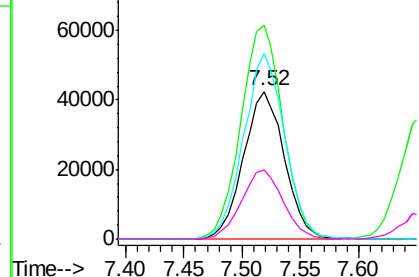
#23

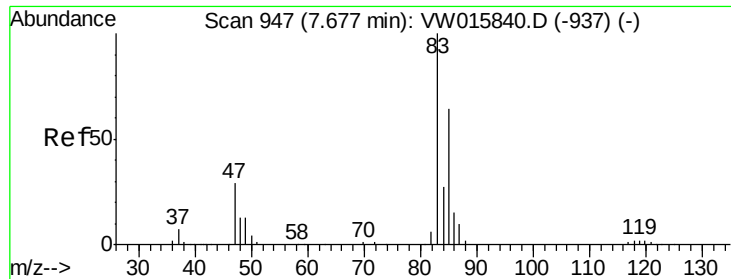
Bromochloromethane
 Concen: 56.211 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion: 128 Resp: 103637
 Ion Ratio Lower Upper
 128 100
 49 144.5 108.8 202.2
 130 125.7 89.8 166.8
 51 46.6 39.5 59.3



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

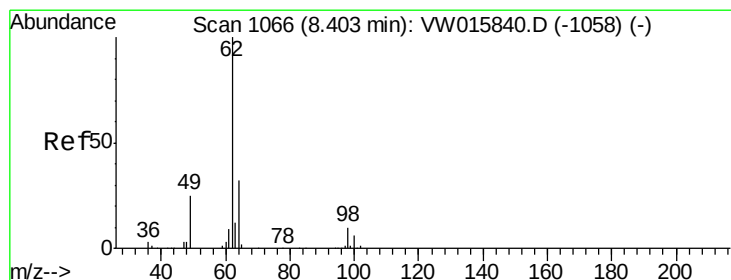
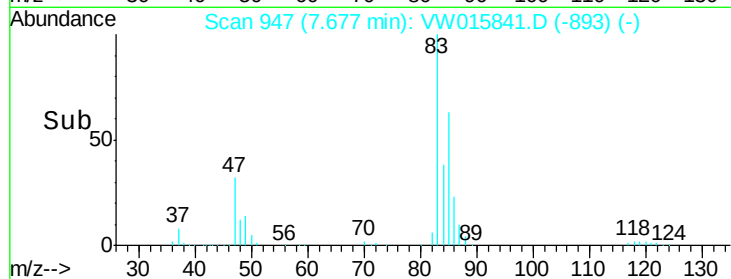
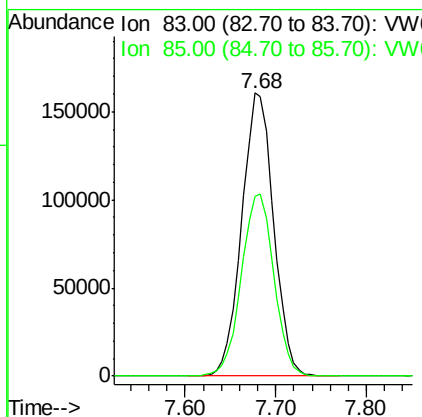
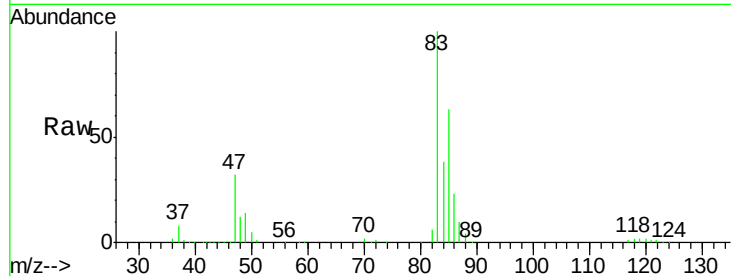




#25
Chloroform
Concen: 52.628 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

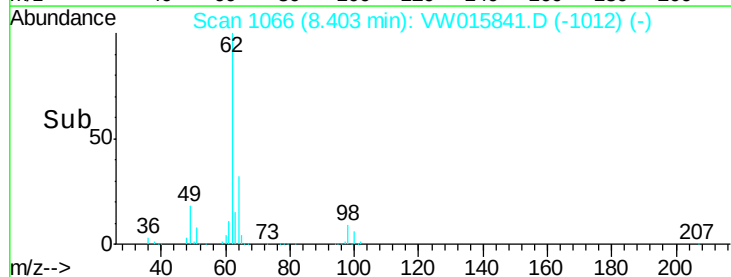
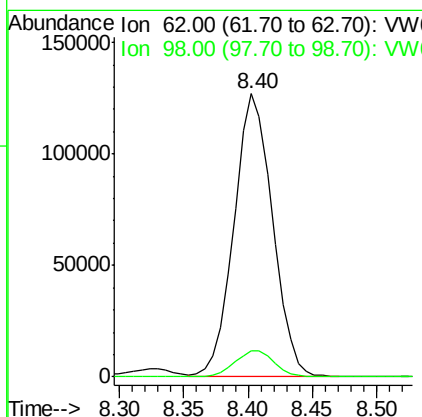
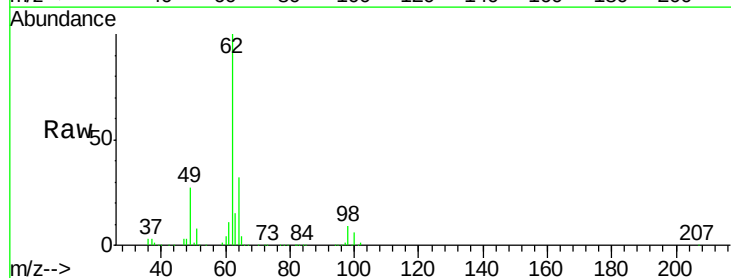
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

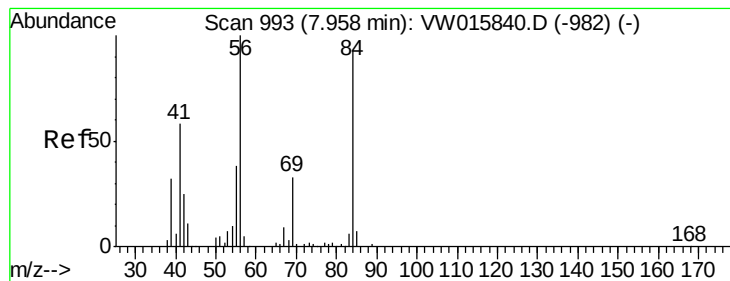
Tgt Ion: 83 Resp: 390407
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 51.853 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

Tgt Ion: 62 Resp: 264426
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5





#30

Cyclohexane

Concen: 47.860 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

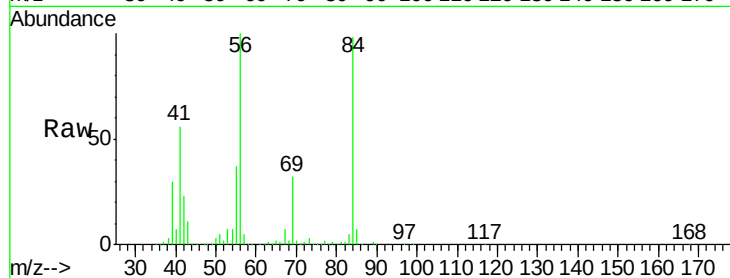
Tgt Ion: 56 Resp: 337143

Ion Ratio Lower Upper

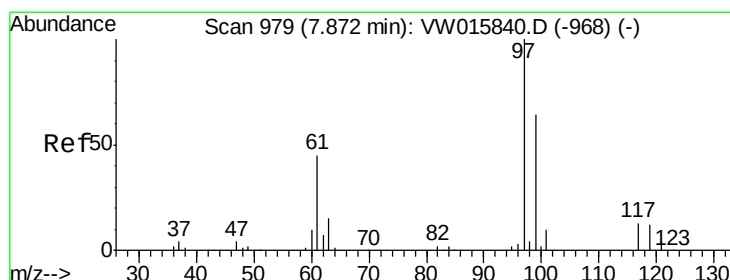
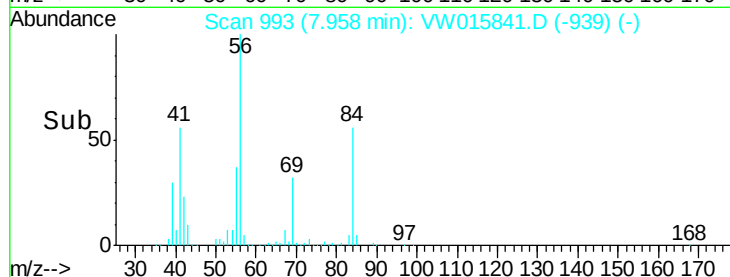
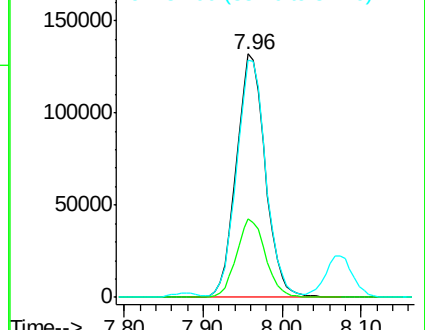
56 100

69 32.5 25.8 38.8

84 98.2 78.3 117.5



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: 50.461 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

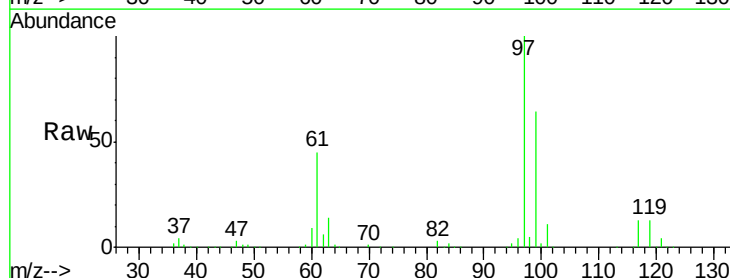
Tgt Ion: 97 Resp: 349238

Ion Ratio Lower Upper

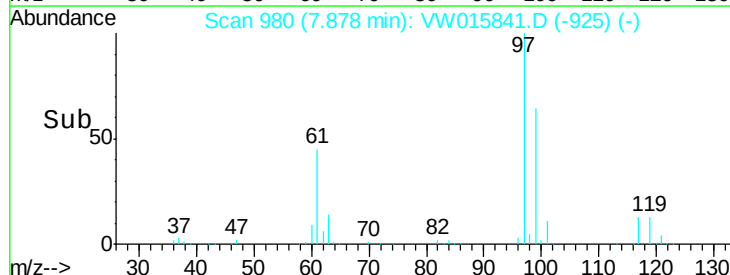
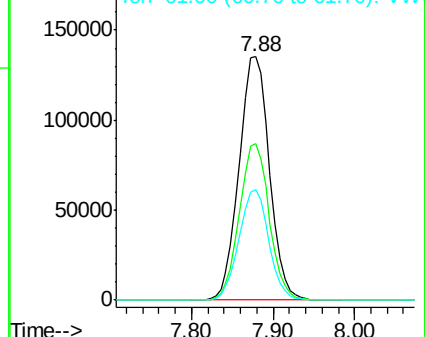
97 100

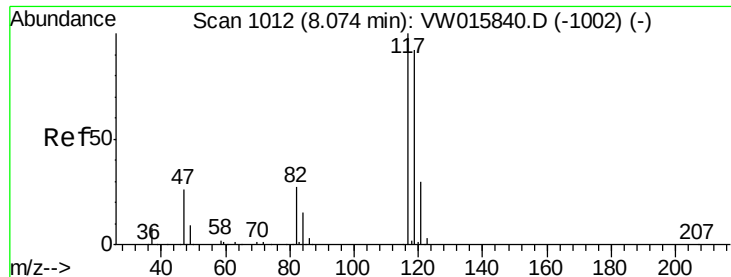
99 63.2 50.9 76.3

61 44.5 36.2 54.2



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: 53.143 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

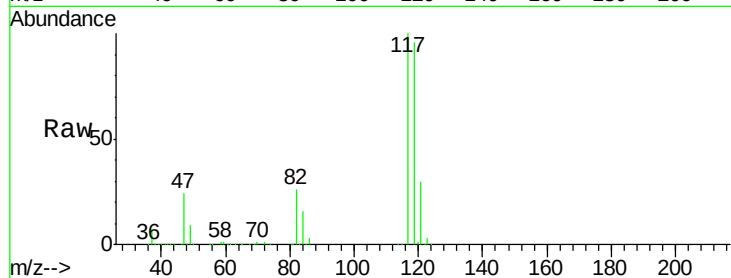
VSTD05002

Tgt Ion:117 Resp: 335393

Ion Ratio Lower Upper

117 100

119 94.9 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

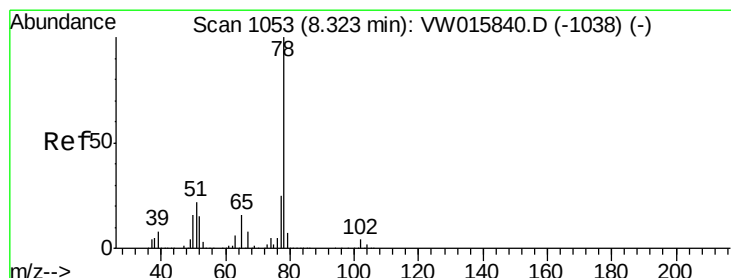
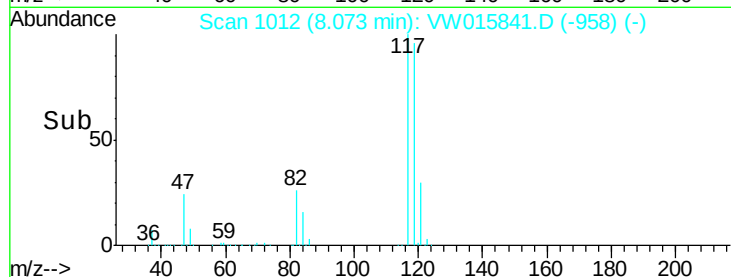
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 50.850 ug/L

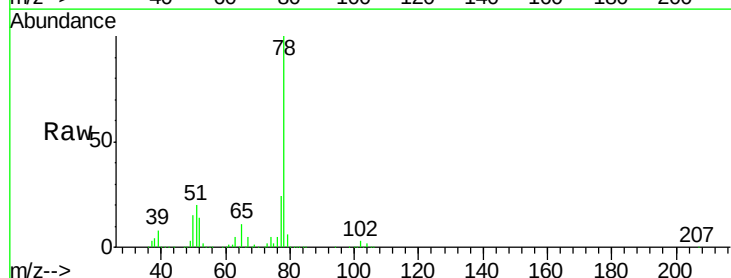
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Tgt Ion: 78 Resp: 892342



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

300000

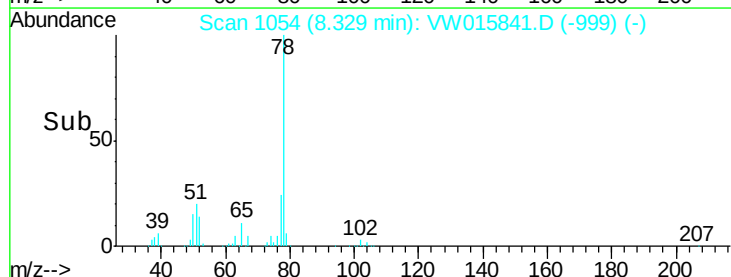
200000

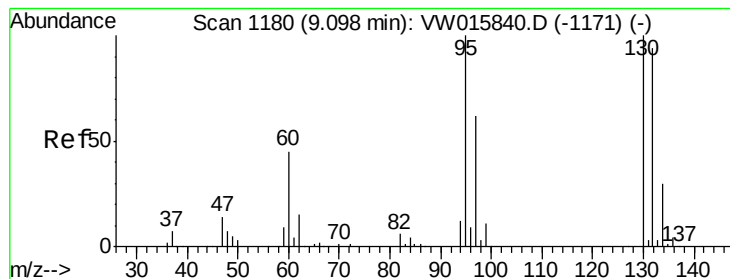
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 50.269 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

Tgt Ion: 95 Resp: 236715

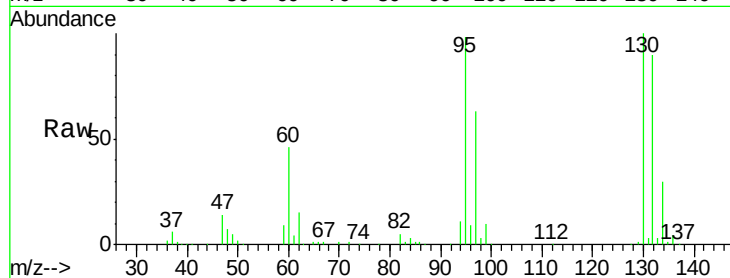
Ion Ratio Lower Upper

95 100

97 65.0 44.6 82.8

132 98.1 67.0 124.4

130 103.3 70.1 130.1

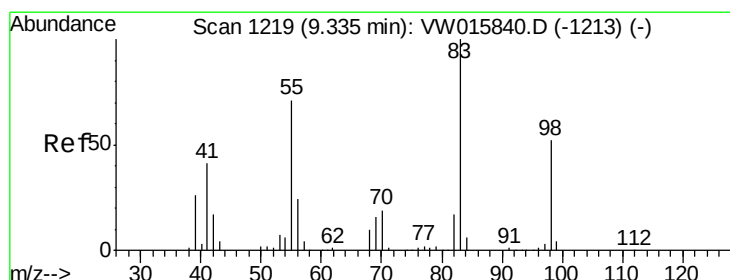
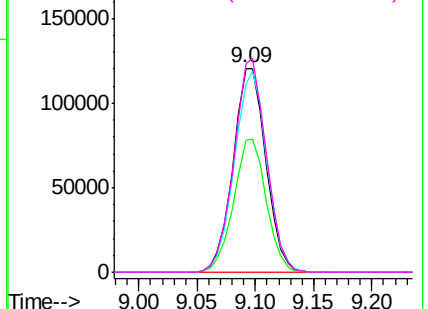
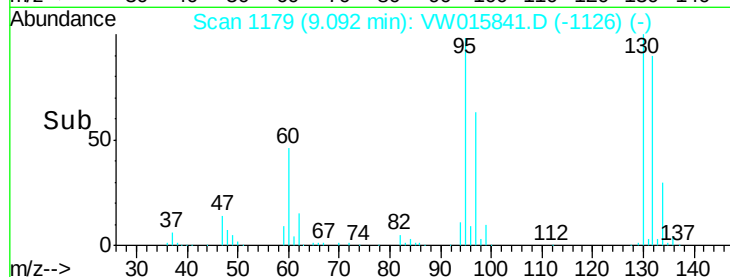


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 52.535 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

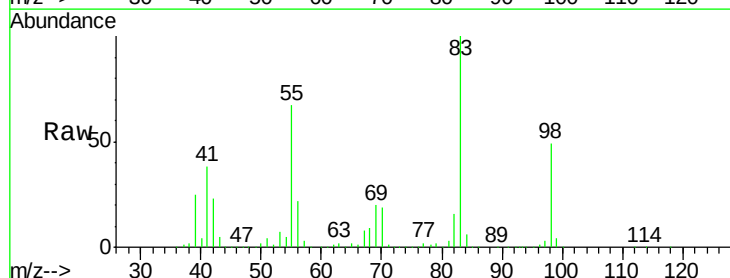
Tgt Ion: 83 Resp: 427545

Ion Ratio Lower Upper

83 100

55 67.4 55.5 83.3

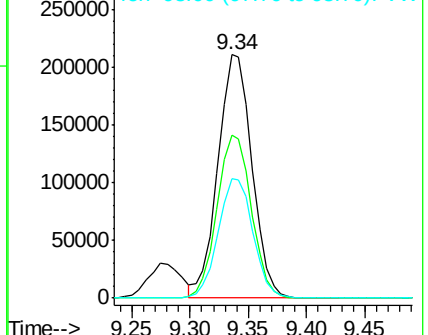
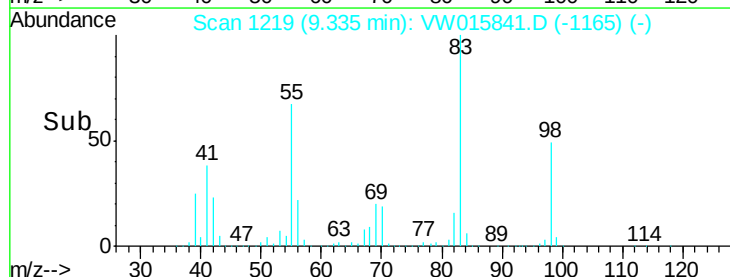
98 50.0 40.2 60.4

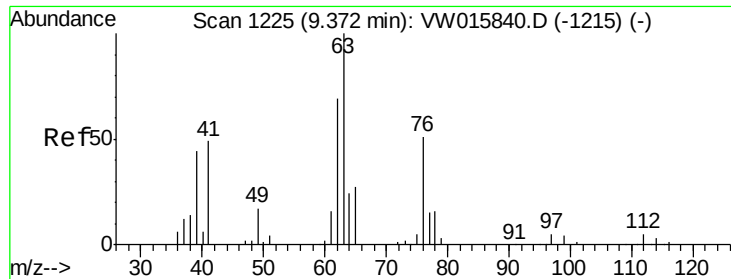


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

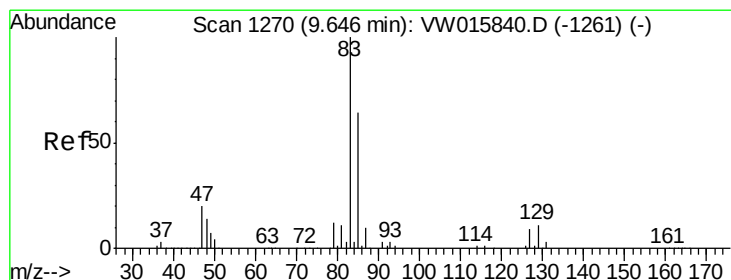
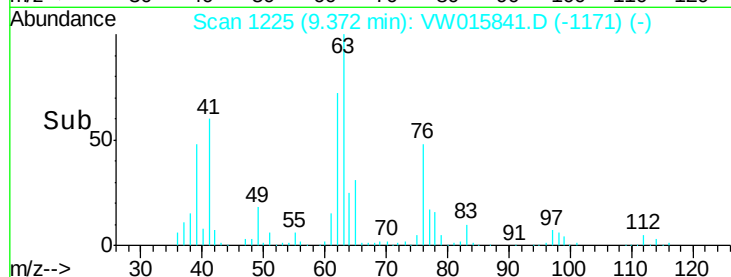
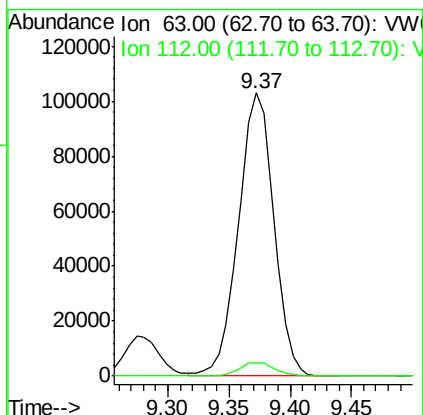
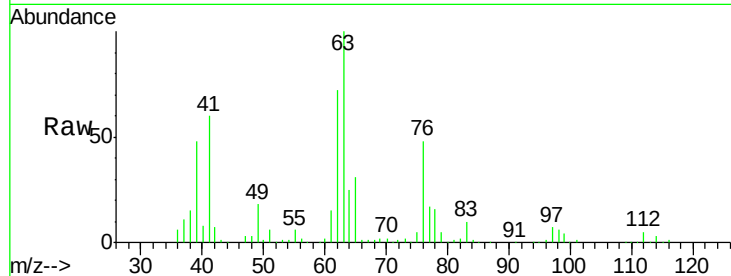




#40
 1,2-Dichloropropane
 Concen: 48.635 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

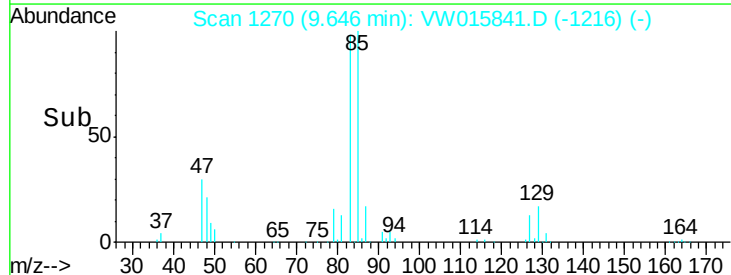
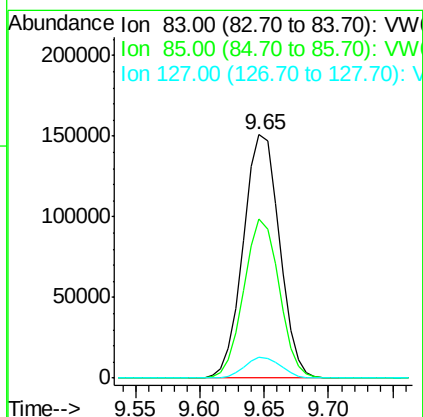
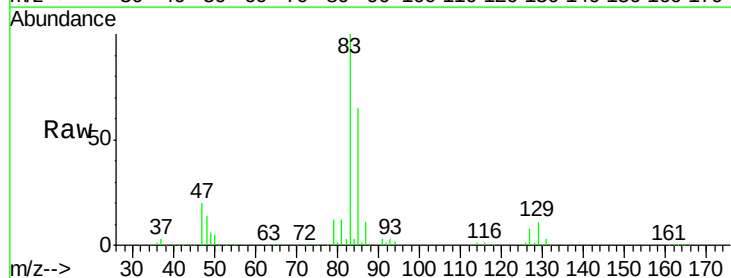
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

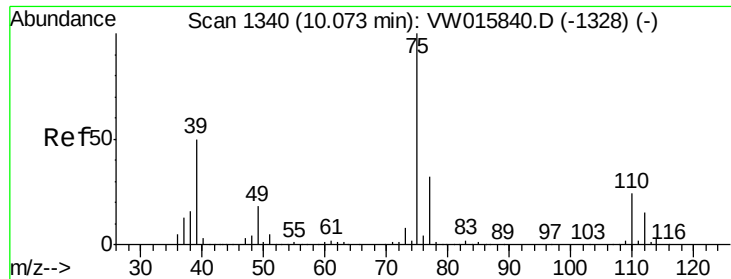
Tgt Ion: 63 Resp: 207521
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 52.683 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion: 83 Resp: 293625
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.6 82.8
 127 8.5 6.8 10.2

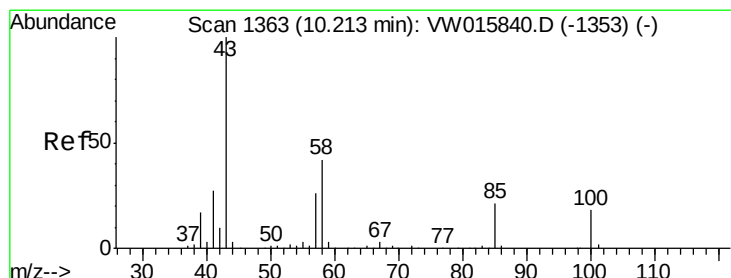
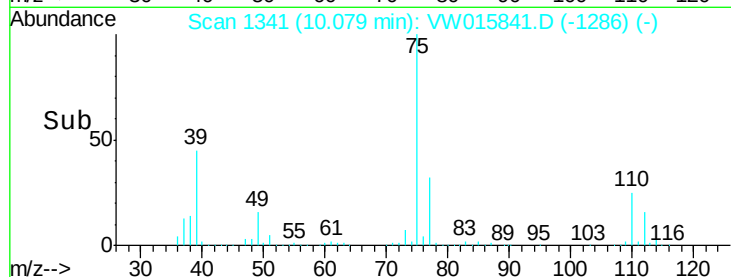
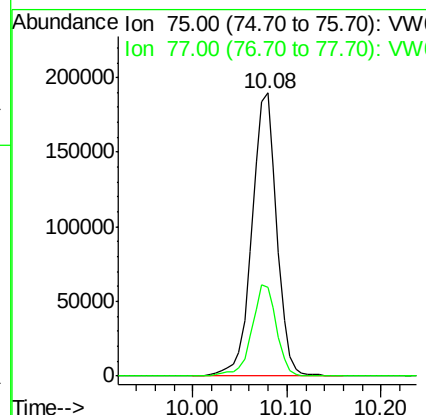
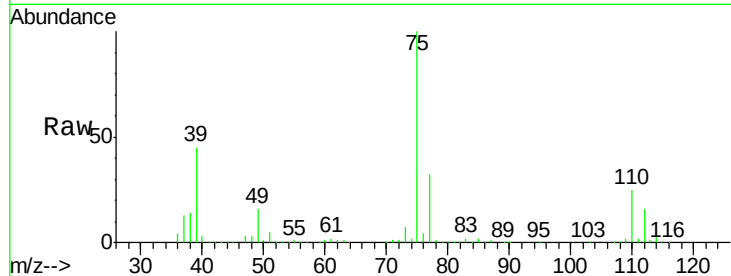




#42
 cis-1,3-Dichloropropene
 Concen: 52.814 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

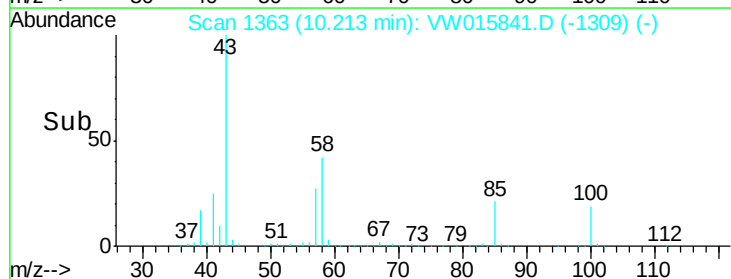
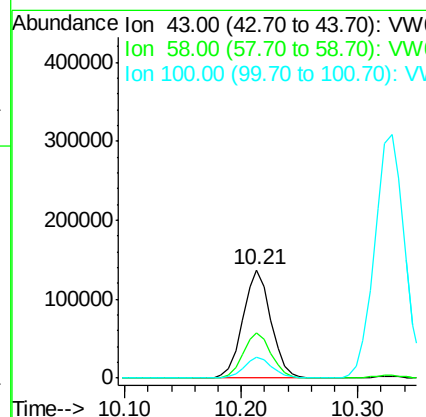
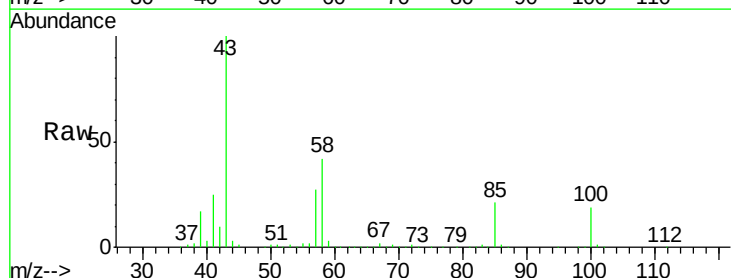
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

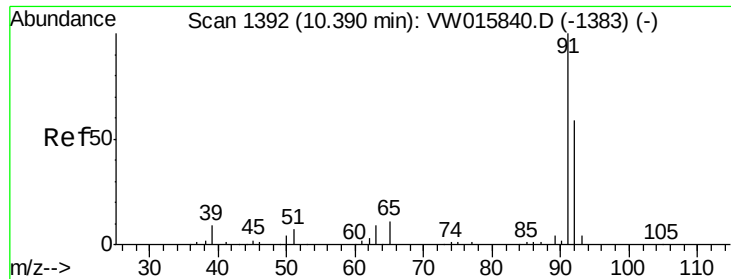
Tgt Ion: 75 Resp: 350183
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 97.005 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion: 43 Resp: 230209
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.0 49.4
 100 19.4 15.0 22.6





#44

Toluene

Concen: 53.089 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

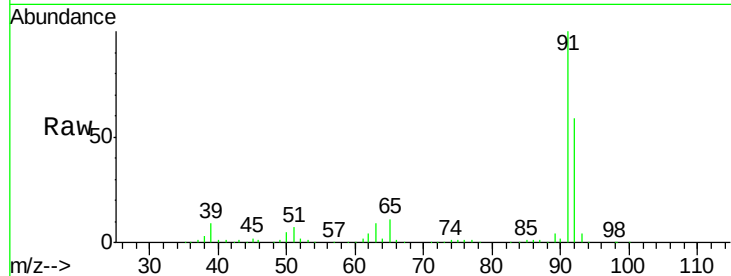
VSTD05002

Tgt Ion: 91 Resp: 1022826

Ion Ratio Lower Upper

91 100

92 58.7 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

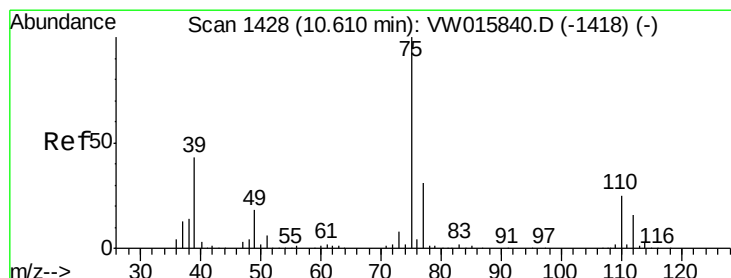
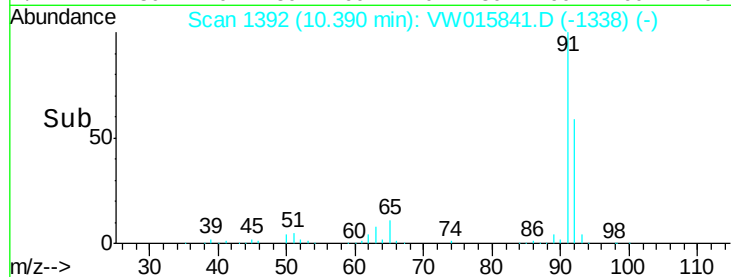
600000

400000

200000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 54.644 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015841.D

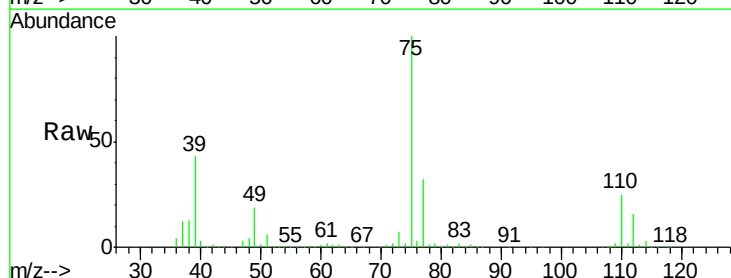
Acq: 13 Jul 2020 12:15

Tgt Ion: 75 Resp: 315655

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

200000

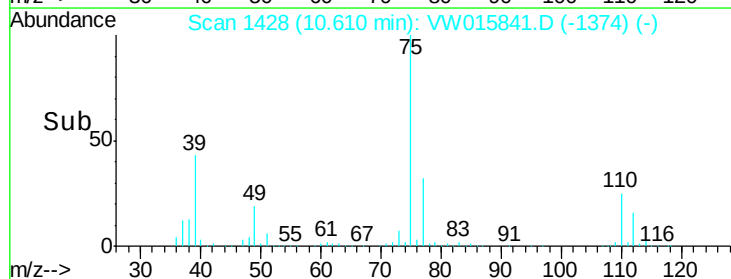
150000

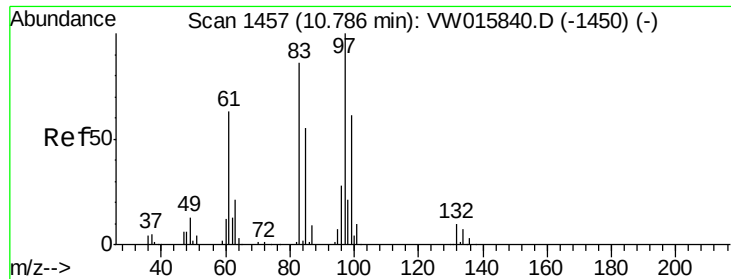
100000

50000

0

Time--> 10.50 10.60 10.70

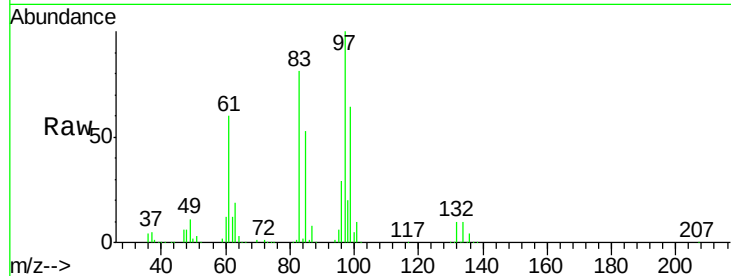




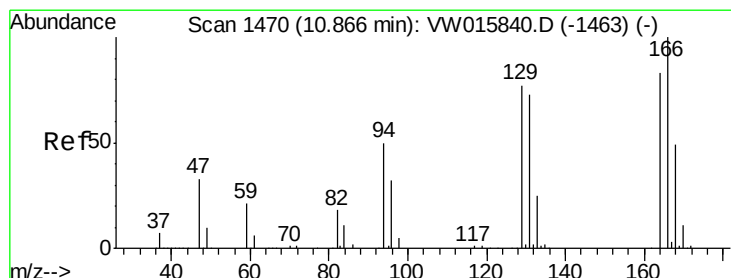
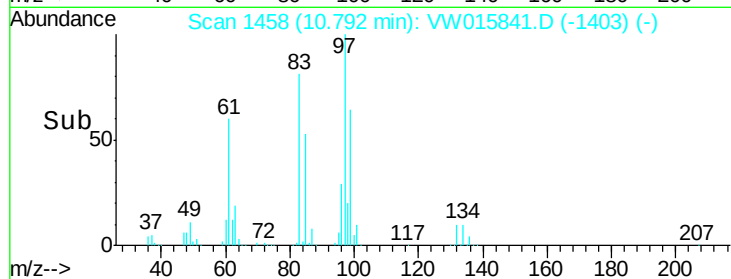
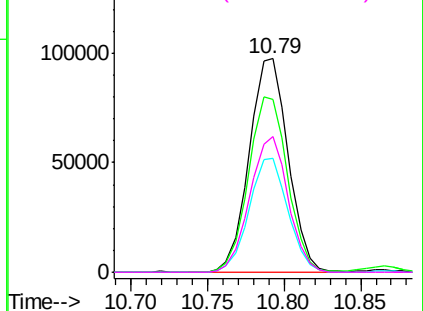
#46
 1,1,2-Trichloroethane
 Concen: 55.795 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

Tgt Ion:	97	Resp:	173133
Ion	Ratio	Lower	Upper
97	100		
83	80.9	60.3	112.1
85	53.1	38.6	71.6
99	63.7	42.6	79.2

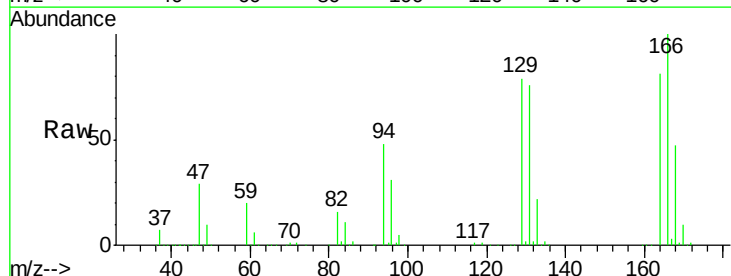


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

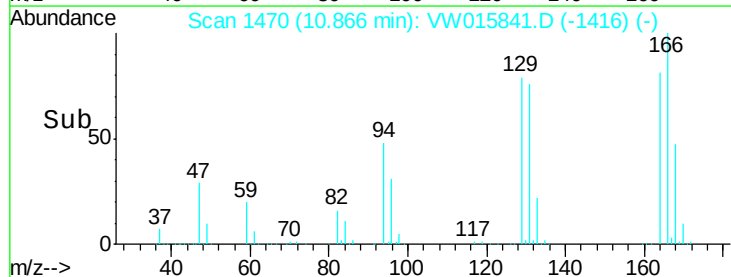
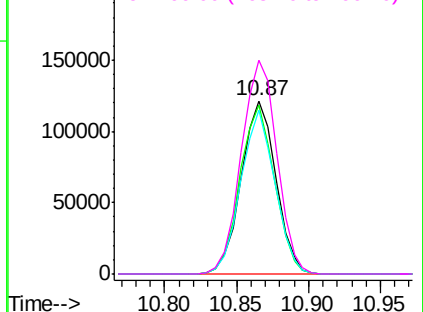


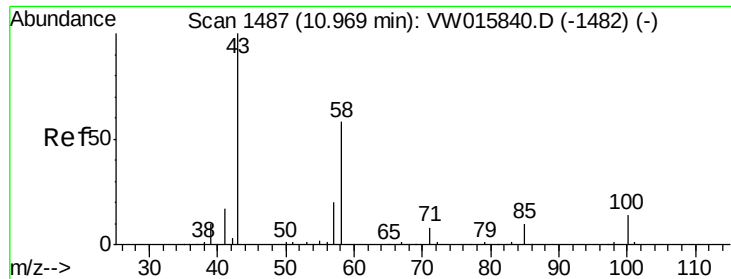
#47
 Tetrachloroethene
 Concen: 53.129 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion:	164	Resp:	202253
Ion	Ratio	Lower	Upper
164	100		
129	97.6	65.1	120.9
131	94.5	62.0	115.2
166	123.6	84.6	157.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

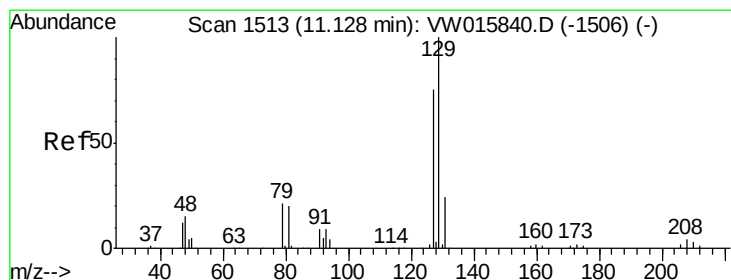
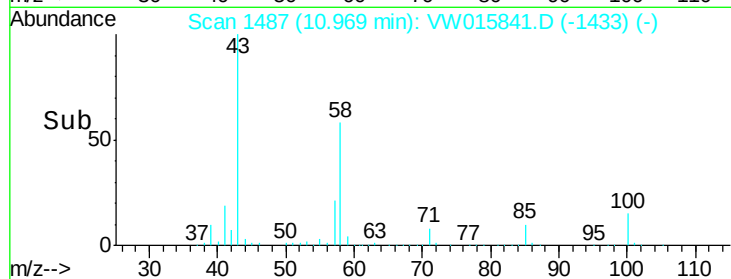
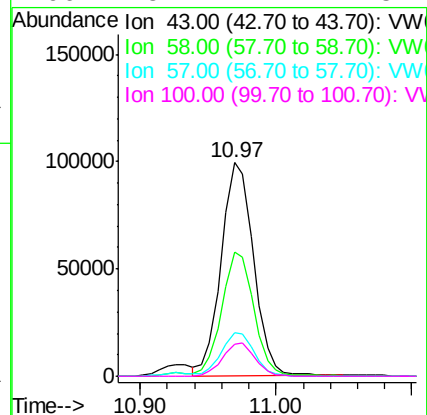
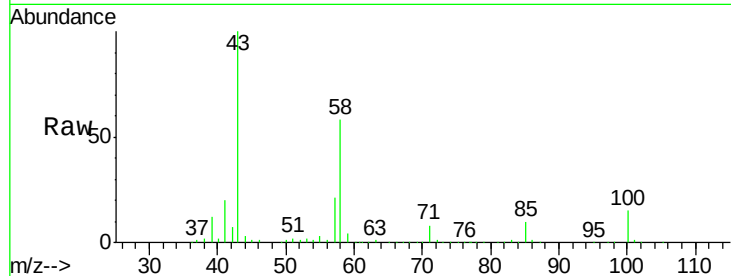




#49
2-Hexanone
Concen: 99.097 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

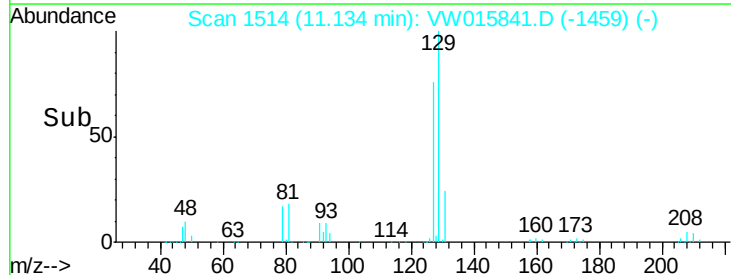
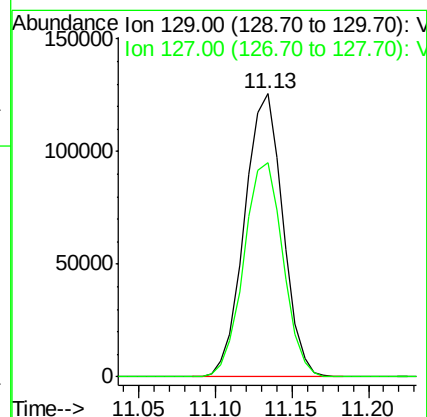
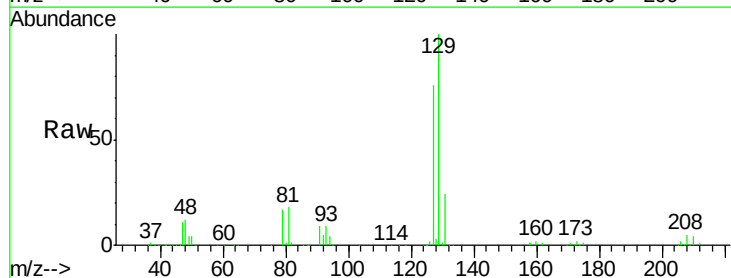
Instrument :
MSVOA_W
ClientSampled :
VSTD05002

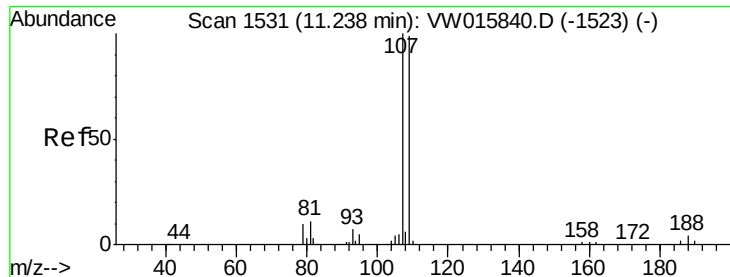
Tgt Ion: 43 Resp: 164623
Ion Ratio Lower Upper
43 100
58 57.6 45.8 68.8
57 20.9 16.9 25.3
100 15.4 12.2 18.4



#50
Dibromochloromethane
Concen: 59.526 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

Tgt Ion: 129 Resp: 219337
Ion Ratio Lower Upper
129 100
127 75.5 52.6 97.6

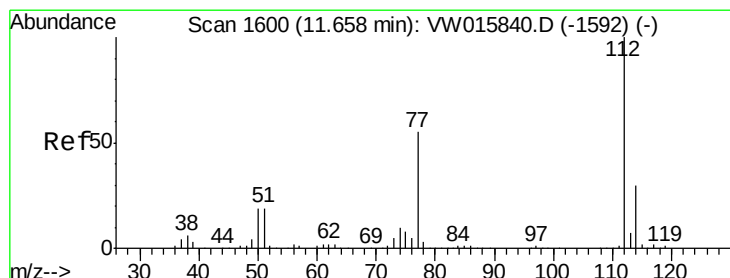
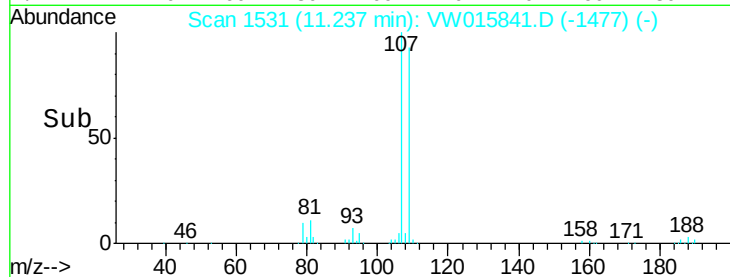
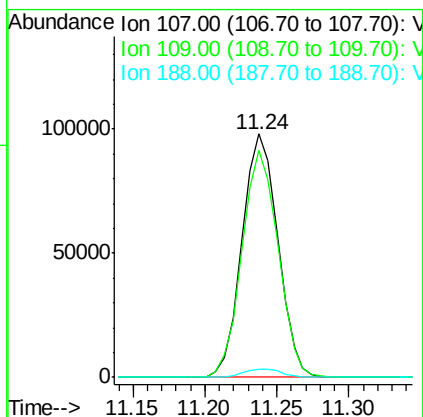
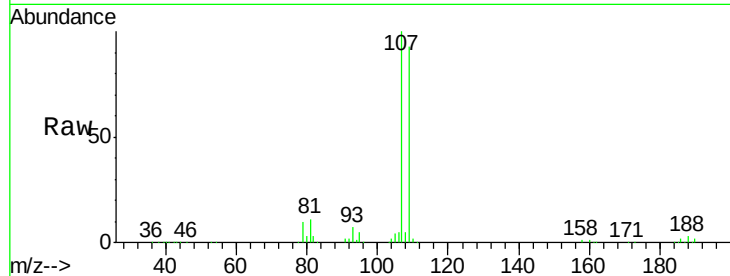




#51
 1,2-Dibromoethane
 Concen: 56.060 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

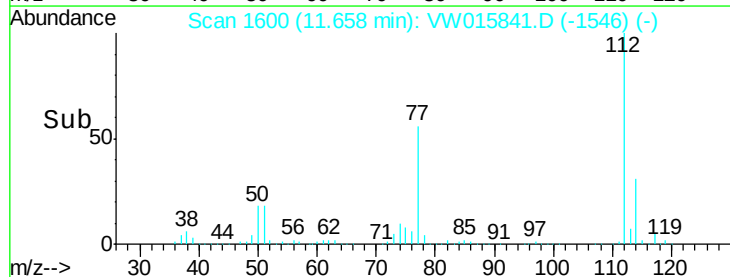
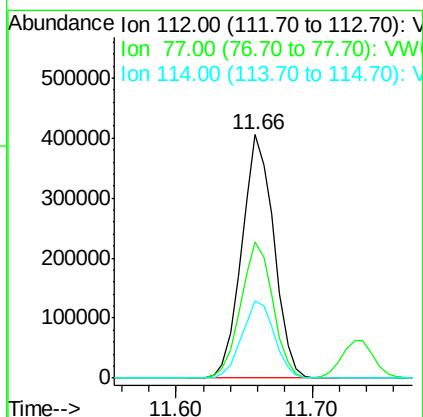
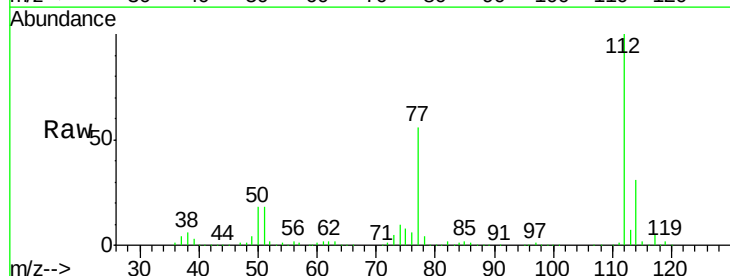
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

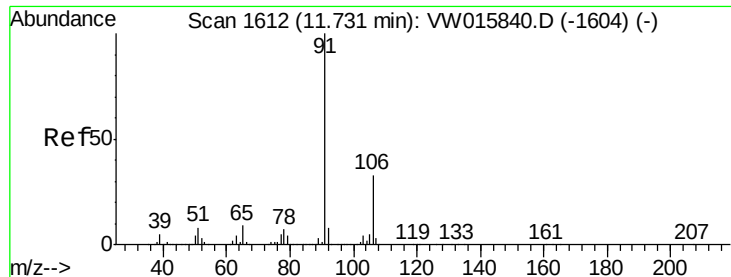
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	69.3	128.7
188	3.4	3.3	4.9



#52
 Chlorobenzene
 Concen: 54.751 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.1	43.9	65.9
114	31.5	20.9	38.9





#53

Ethylbenzene

Concen: 54.412 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

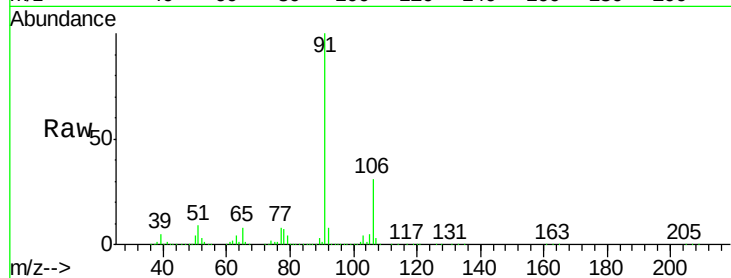
VSTD05002

Tgt Ion: 91 Resp: 1184472

Ion Ratio Lower Upper

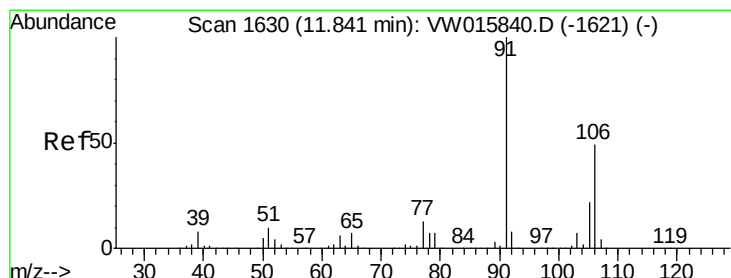
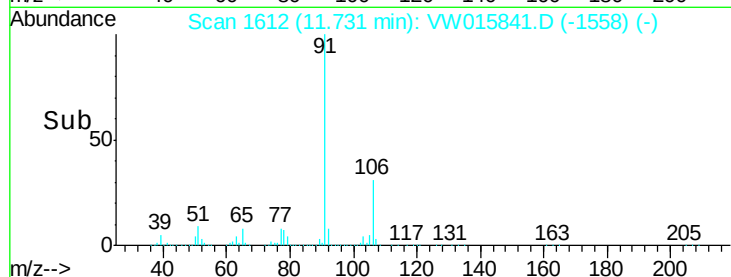
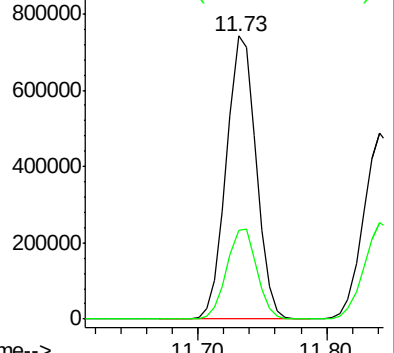
91 100

106 31.4 22.7 42.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 56.895 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015841.D

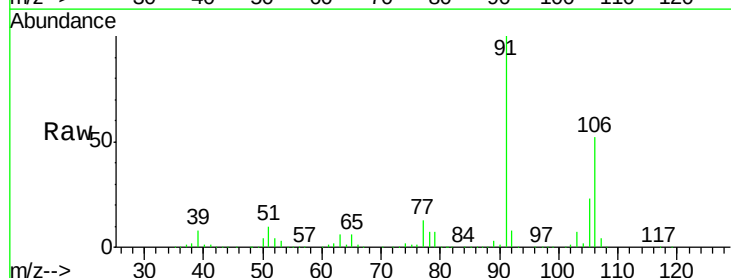
Acq: 13 Jul 2020 12:15

Tgt Ion: 106 Resp: 467590

Ion Ratio Lower Upper

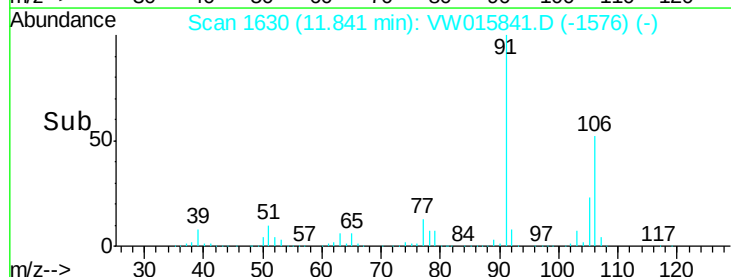
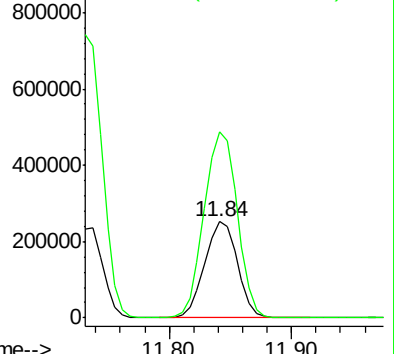
106 100

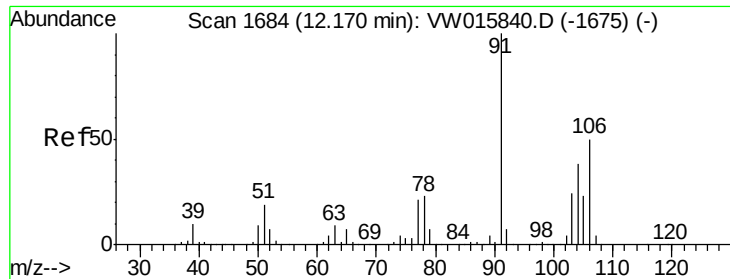
91 193.6 143.9 267.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

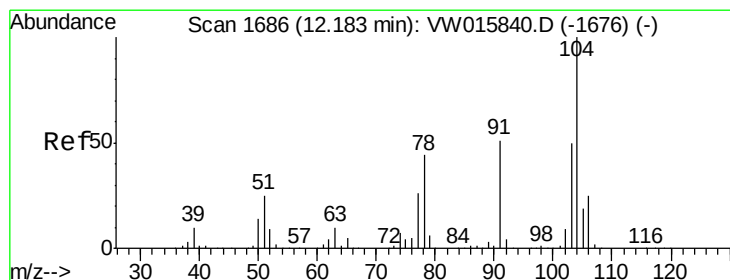
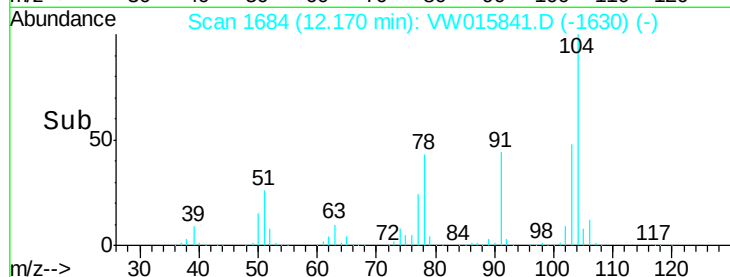
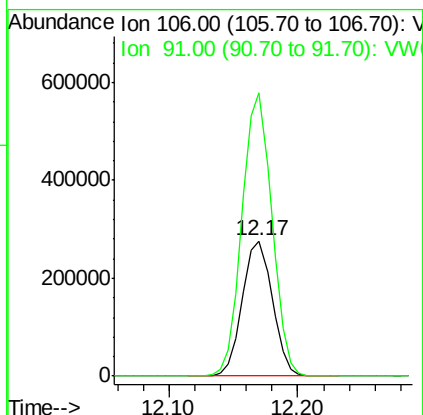
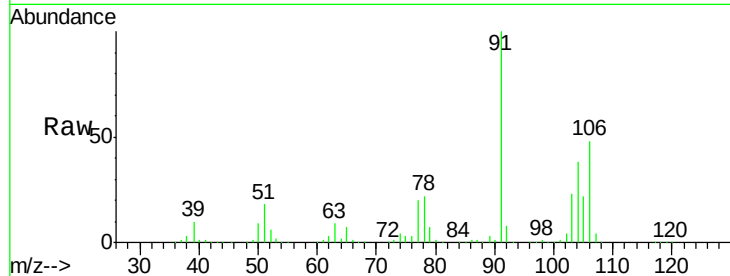




#55
o-xylene
Concen: 56.533 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

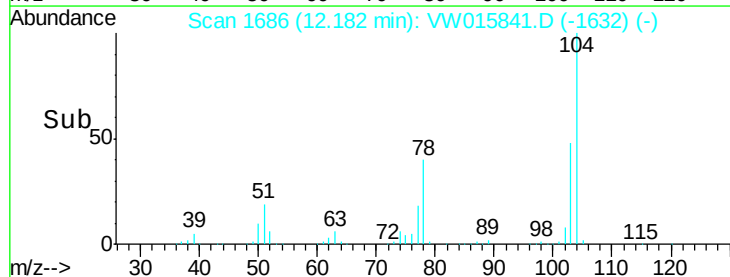
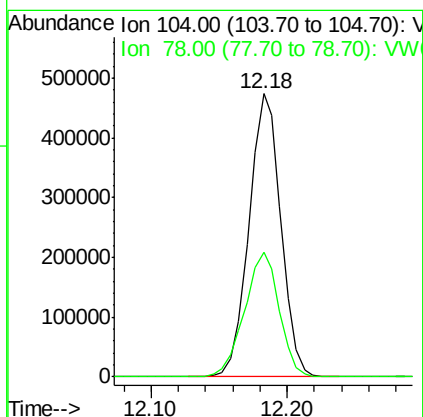
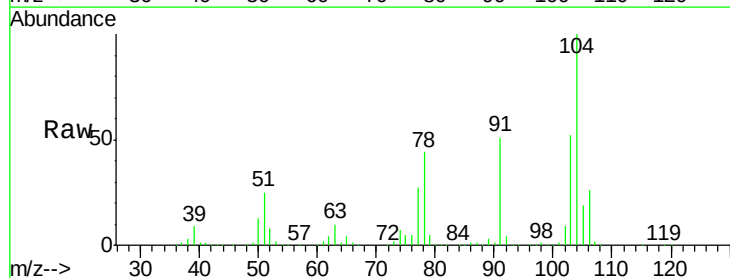
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

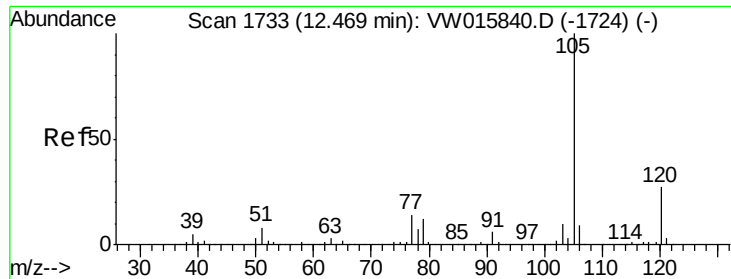
Tgt Ion:106 Resp: 445471
Ion Ratio Lower Upper
106 100
91 209.5 141.1 262.0



#56
Styrene
Concen: 58.238 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015841.D
Acq: 13 Jul 2020 12:15

Tgt Ion:104 Resp: 776489
Ion Ratio Lower Upper
104 100
78 44.0 31.0 57.6





#57

Isopropylbenzene

Concen: 56.602 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampled :

VSTD05002

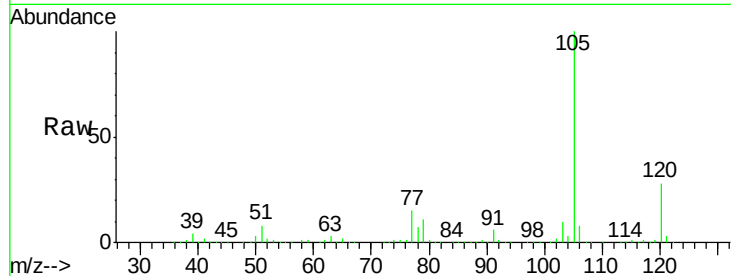
Tgt Ion:105 Resp: 1226509

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

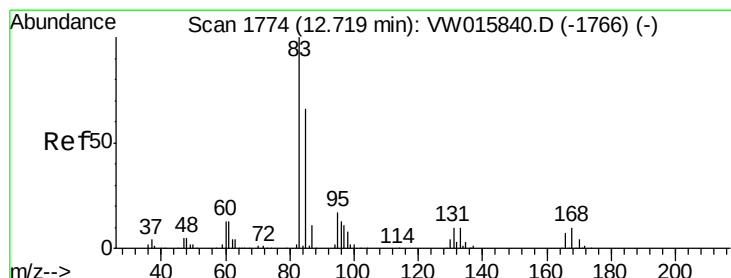
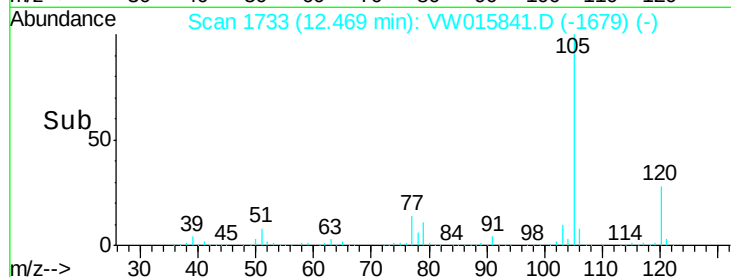
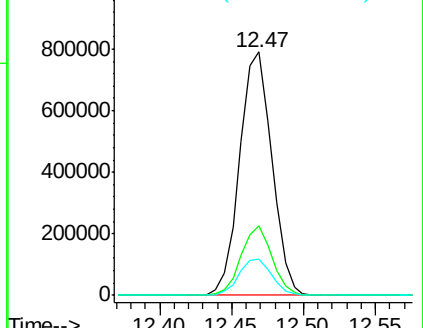
77 15.1 12.2 18.2



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: 56.747 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

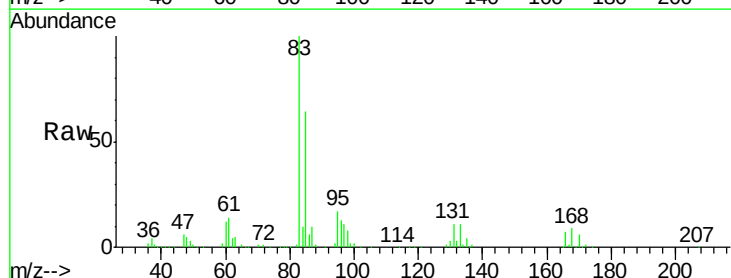
Tgt Ion: 83 Resp: 207386

Ion Ratio Lower Upper

83 100

85 63.8 46.2 85.8

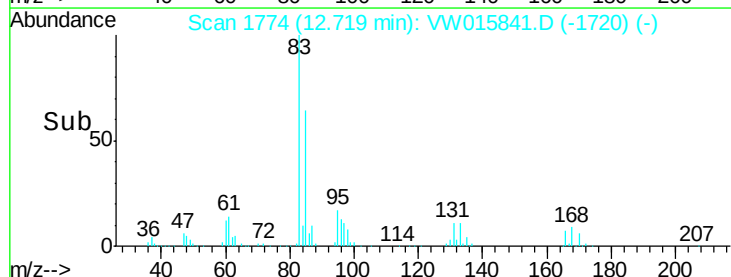
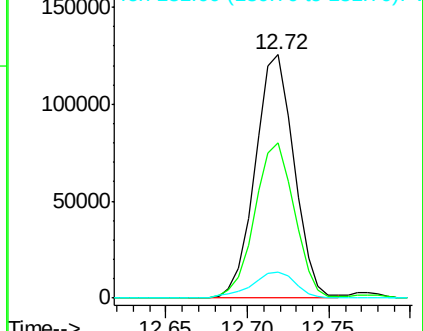
131 10.7 8.1 12.1

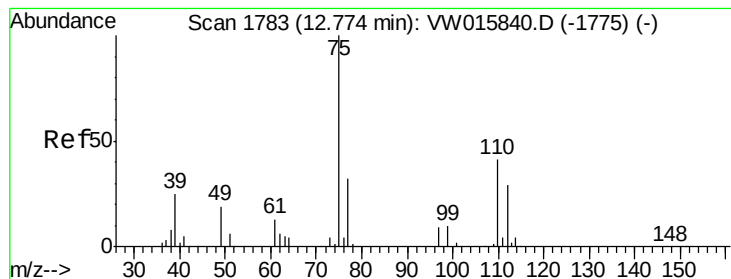


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.907 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

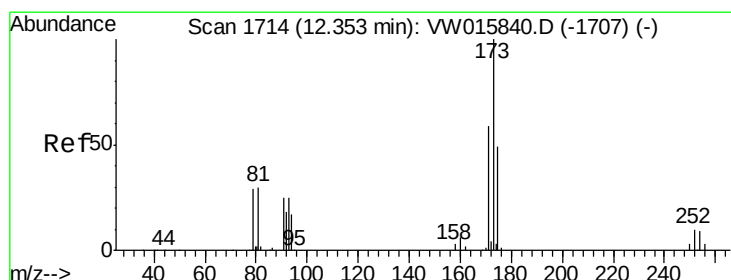
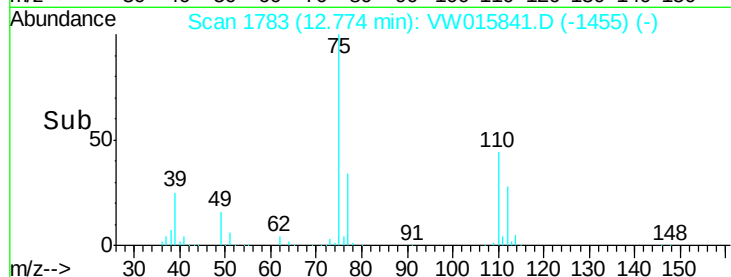
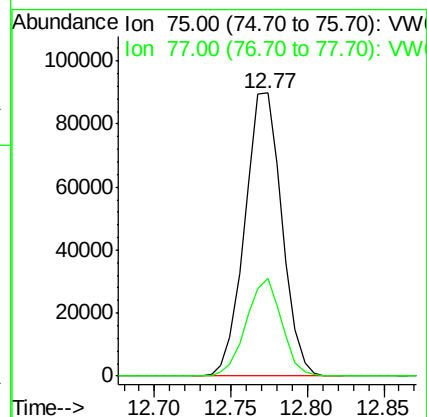
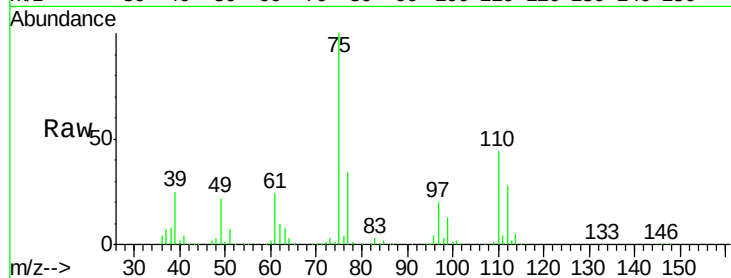
VSTD05002

Tgt Ion: 75 Resp: 151353

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8



#62

Bromoform

Concen: 59.108 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

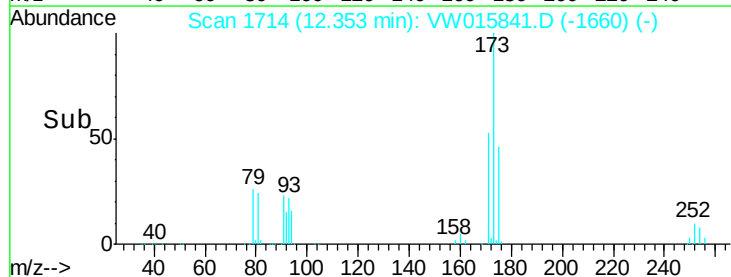
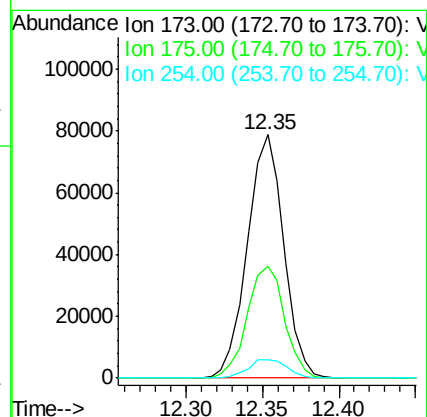
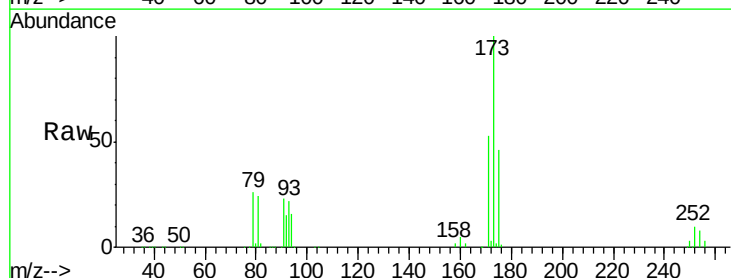
Tgt Ion: 173 Resp: 130368

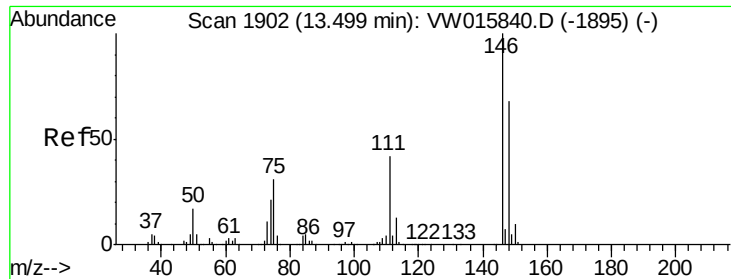
Ion Ratio Lower Upper

173 100

175 47.2 38.2 57.4

254 8.4 6.6 9.8

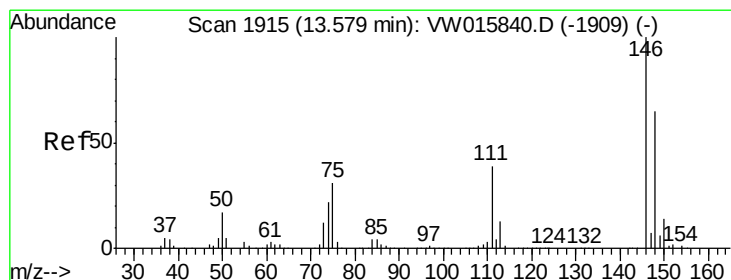
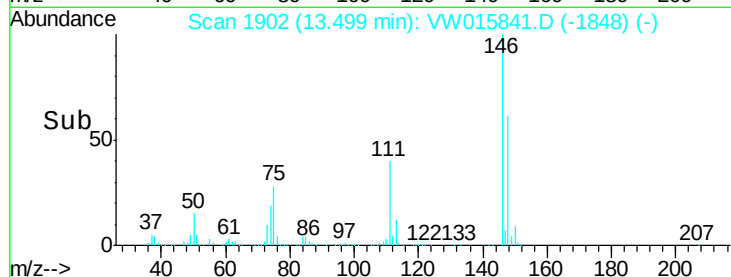
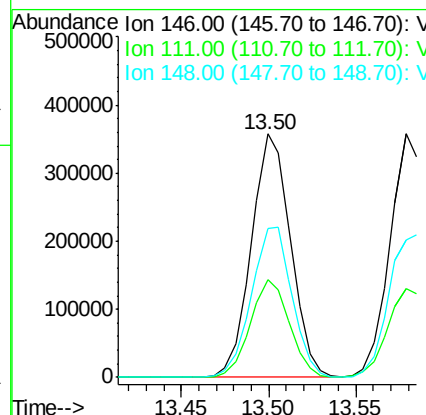
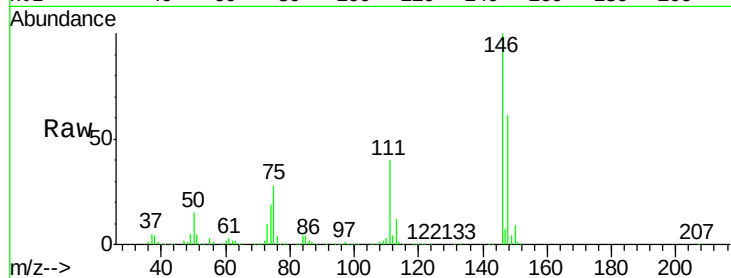




#63
 1,3-Dichlorobenzene
 Concen: 53.912 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

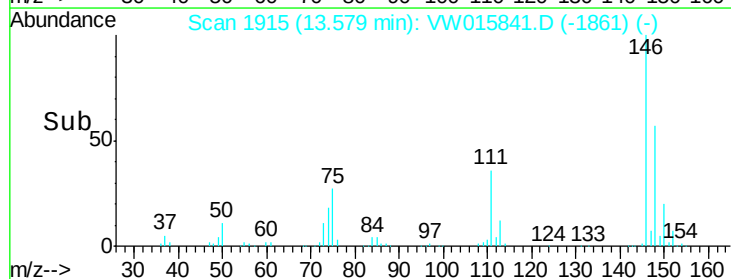
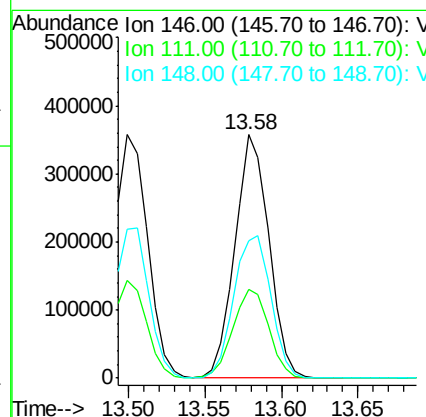
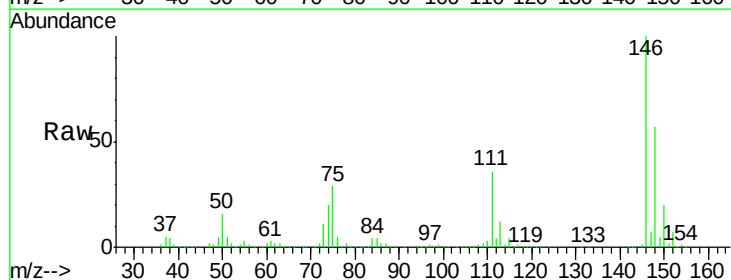
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

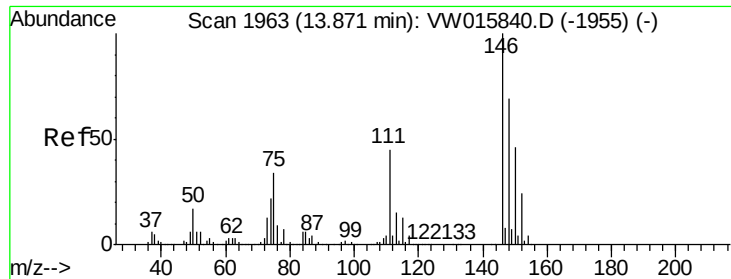
Tgt Ion:146 Resp: 556990
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.2 54.2
 148 61.3 47.7 88.7



#64
 1,4-Dichlorobenzene
 Concen: 53.484 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion:146 Resp: 551682
 Ion Ratio Lower Upper
 146 100
 111 36.4 27.6 51.2
 148 56.7 45.3 84.1

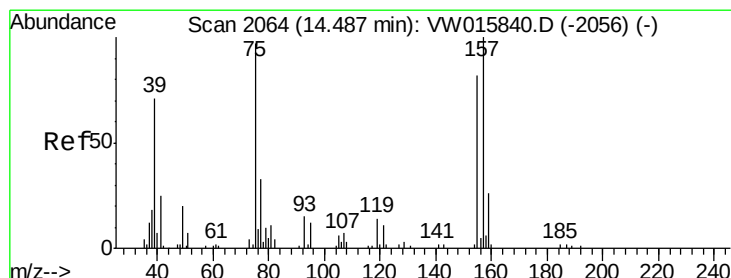
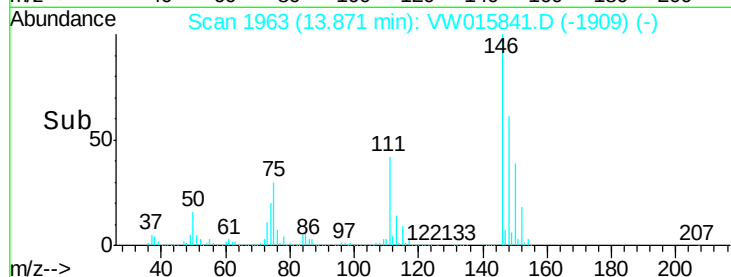
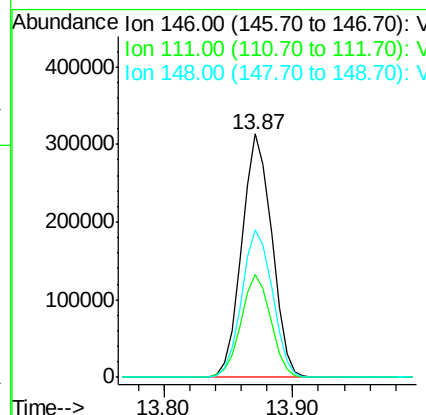
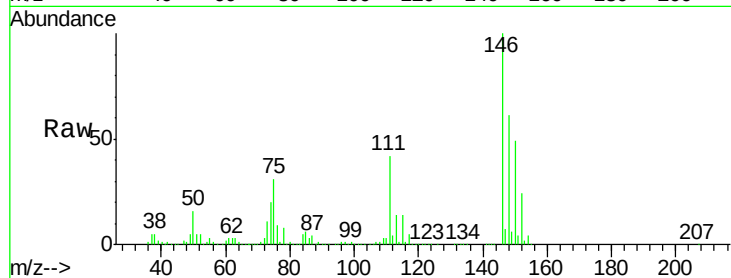




#65
 1,2-Dichlorobenzene
 Concen: 55.669 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

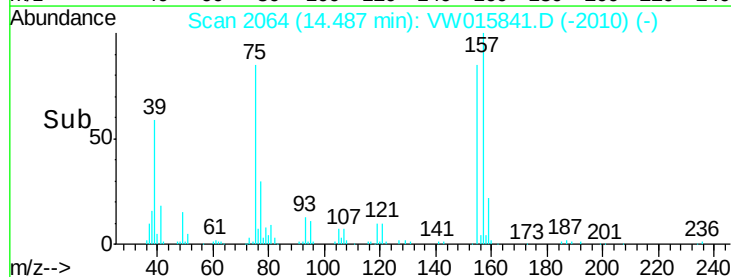
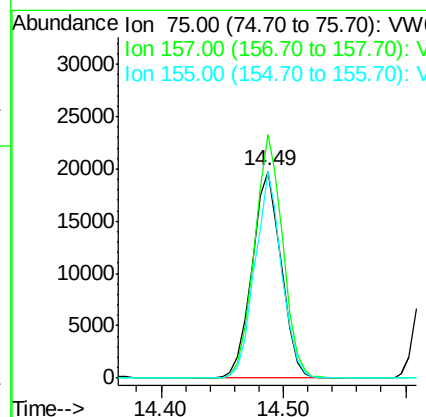
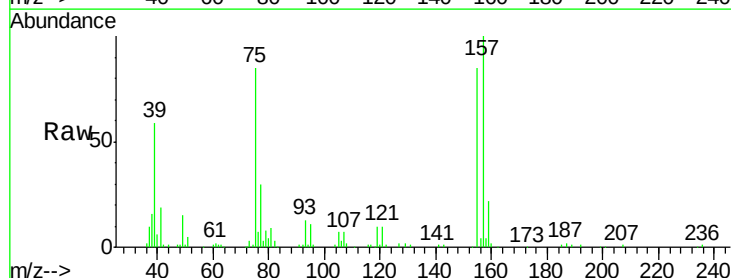
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

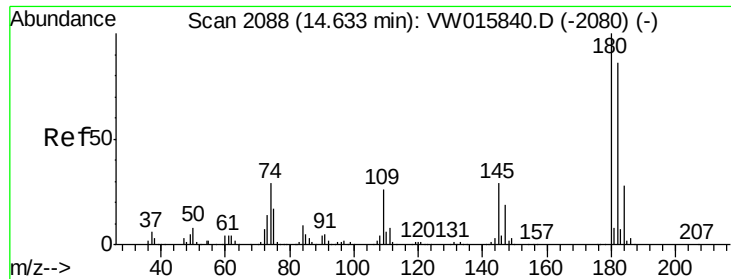
Tgt Ion: 146 Resp: 506247
 Ion Ratio Lower Upper
 146 100
 111 42.1 36.2 54.4
 148 60.8 55.1 82.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.831 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion: 75 Resp: 32670
 Ion Ratio Lower Upper
 75 100
 157 117.6 82.2 123.2
 155 99.5 67.7 101.5

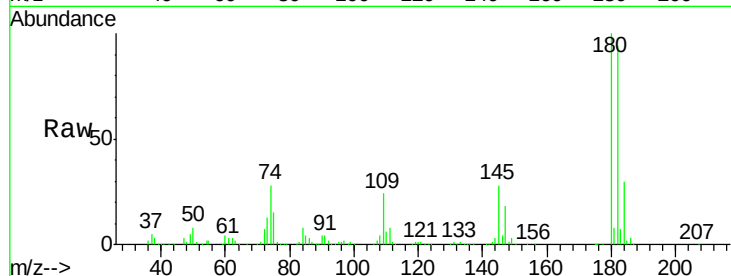




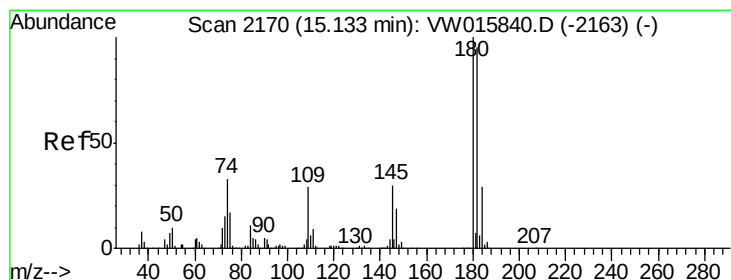
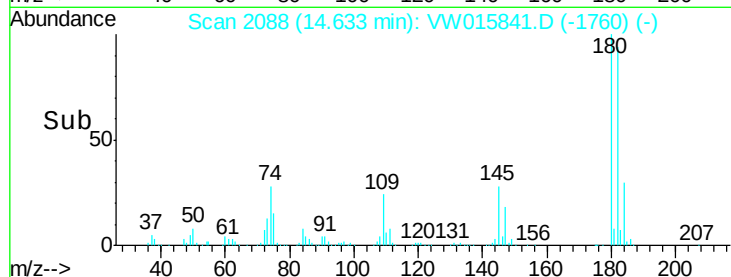
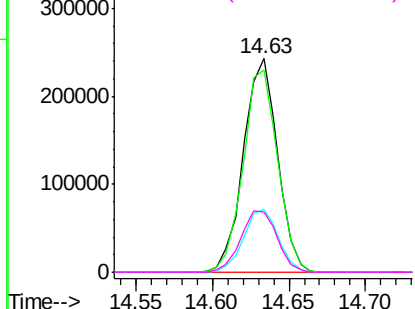
#67
 1,3,5-Trichlorobenzene
 Concen: 53.727 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

Tgt Ion:180 Resp: 376484
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.3 112.9
 184 30.1 22.8 34.2
 145 30.7 24.6 37.0

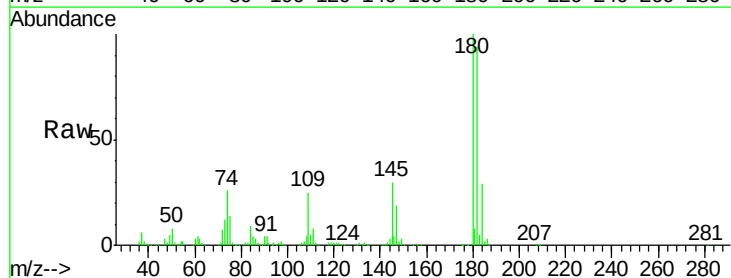


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

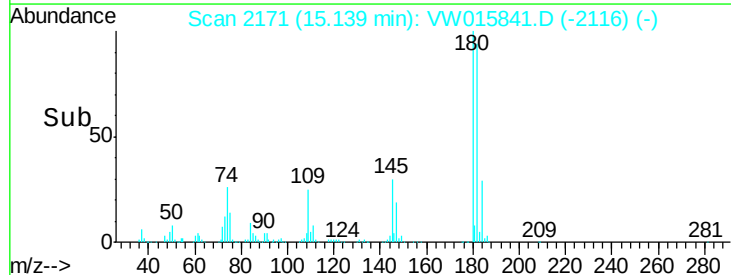
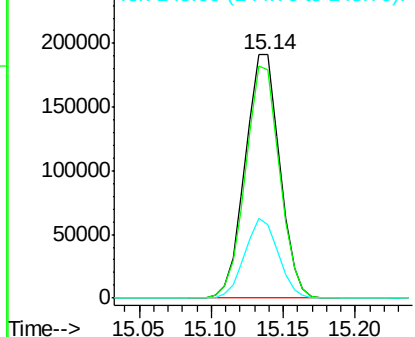


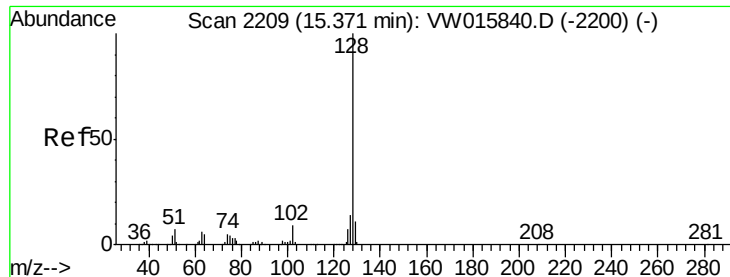
#68
 1,2,4-trichlorobenzene
 Concen: 56.428 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015841.D
 Acq: 13 Jul 2020 12:15

Tgt Ion:180 Resp: 317845
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.2 112.8
 145 31.6 25.0 37.4



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: 61.126 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

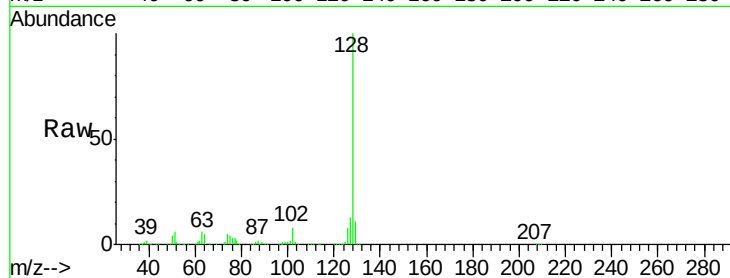
Tgt Ion:128 Resp: 628016

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

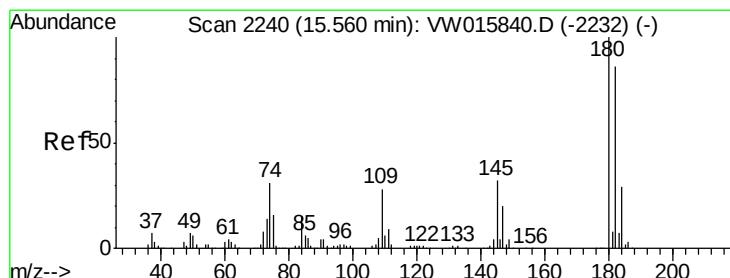
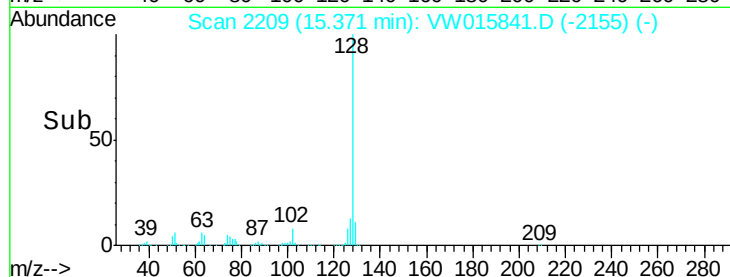
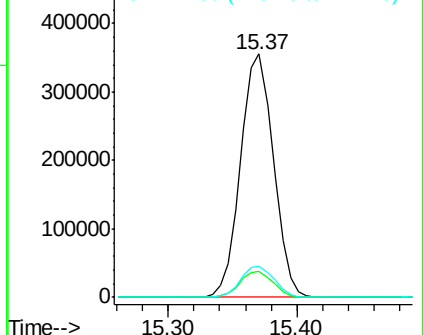
127 13.0 10.7 16.1



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: 59.145 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015841.D

Acq: 13 Jul 2020 12:15

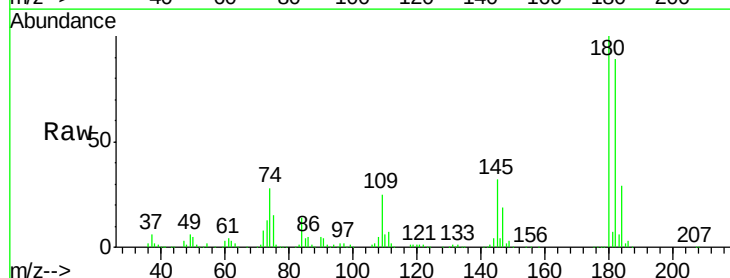
Tgt Ion:180 Resp: 287850

Ion Ratio Lower Upper

180 100

182 91.5 73.1 109.7

145 32.8 26.6 40.0



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

