

Data File : VW015388.D
Acq On : 04 May 2020 15:40
Operator : SY/VA
Sample : VSTD100
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

Quant Time: May 04 16:12:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
Quant Title : VOC Analysis
QLast Update : Mon May 04 15:24:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	384515	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	358395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171208	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	460250	164.38	ug/L	0.00
7) Chloroethane-d5	2.89	69	444844	136.50	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	940823	132.98	ug/L	0.00
20) 2-Butanone-d5	7.07	46	259595	301.70	ug/L	0.00
24) Chloroform-d	7.65	84	939963	111.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	525161	120.65	ug/L	0.00
29) Benzene-d6	8.27	84	1859913	112.65	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	567086	122.76	ug/L	0.00
37) Toluene-d8	10.32	98	1799724	106.82	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	268149	113.42	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	221329	262.39	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	444177	113.59	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	581567	97.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	335071	92.512	ug/L	100
3) Chloromethane	2.21	50	361782	121.993	ug/L	99
5) Vinyl chloride	2.36	62	523143	146.091	ug/L	99
6) Bromomethane	2.78	94	353148	104.923	ug/L	100
8) Chloroethane	2.92	64	348093	125.268	ug/L	99
9) Trichlorofluoromethane	3.26	101	399458	95.249	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	441034	99.601	ug/L	99
12) 1,1-Dichloroethene	4.03	96	442131	102.205	ug/L	96
13) Acetone	4.12	43	176449	243.475	ug/L	100
14) Carbon disulfide	4.38	76	1324683	112.185	ug/L	98
15) Methyl Acetate	4.67	43	209694	145.086	ug/L	99
16) Methylene chloride	4.91	84	448878	91.666	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	704988	110.205	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	477762	100.804	ug/L	99
19) 1,1-Dichloroethane	6.21	63	899582	121.864	ug/L	98
21) 2-Butanone	7.17	43	279424	254.927	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	521398	101.876	ug/L	98
23) Bromochloromethane	7.51	128	217643	88.571	ug/L	94
25) Chloroform	7.68	83	890775	106.090	ug/L	100
27) 1,2-Dichloroethane	8.40	62	612213	114.967	ug/L	99
30) Cyclohexane	7.95	56	855667	124.707	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	737201	95.611	ug/L	99
32) Carbon tetrachloride	8.07	117	695462	93.281	ug/L	98
34) Benzene	8.32	78	1966300	107.045	ug/L	100
35) Trichloroethene	9.09	95	521907	98.759	ug/L	99
36) Methylcyclohexane	9.34	83	915770	102.794	ug/L	100
40) 1,2-Dichloropropane	9.37	63	494770	118.691	ug/L	100
41) Bromodichloromethane	9.64	83	674025	105.634	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	835063	114.414	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	654152	232.708	ug/L	99

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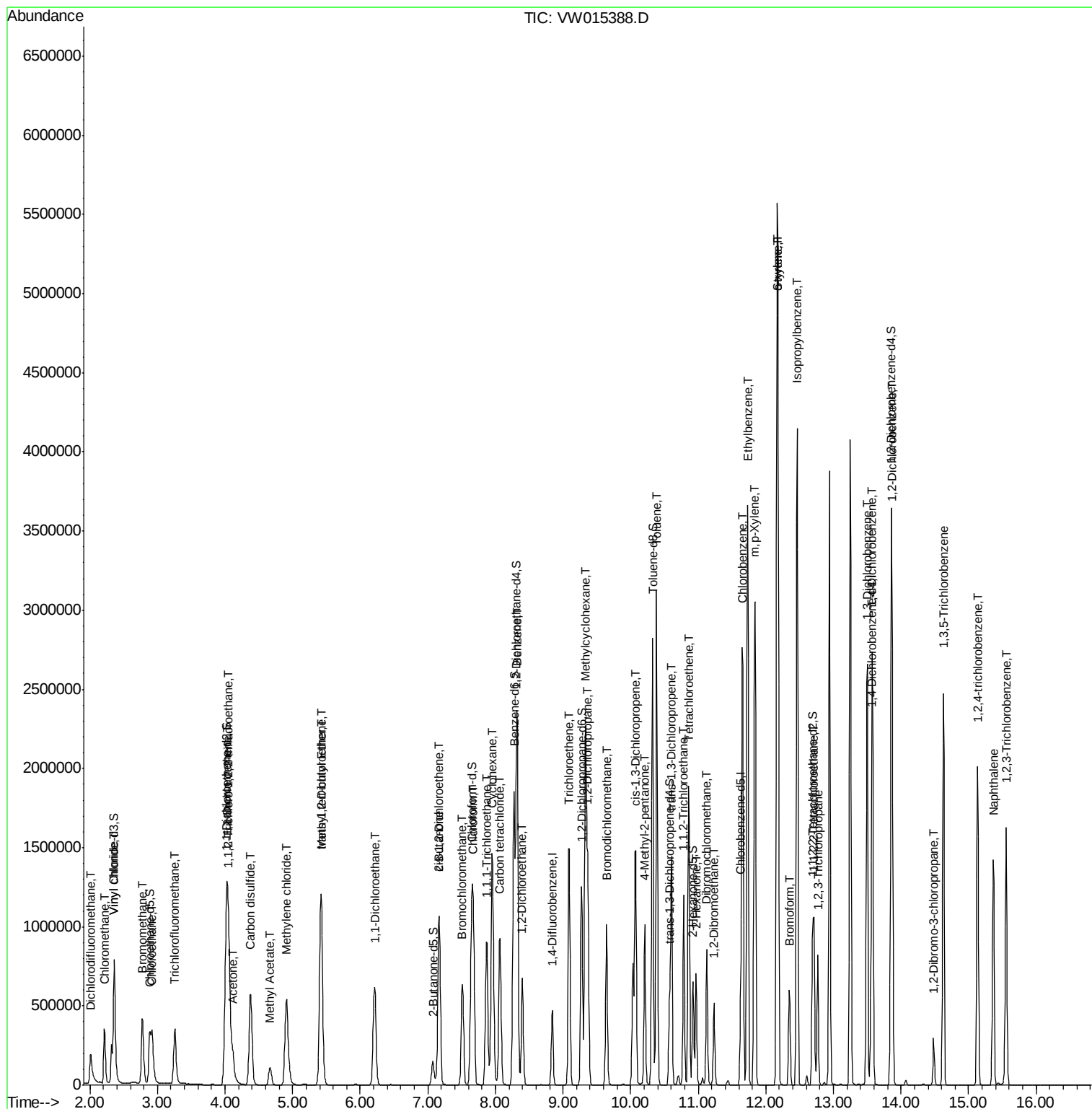
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2198126	103.110	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	743838	114.660	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	358178	100.113	ug/L	99
47) Tetrachloroethene	10.86	164	394966	78.340	ug/L	89
49) 2-Hexanone	10.97	43	450858	292.945	ug/L	99
50) Dibromochloromethane	11.13	129	442115	91.373	ug/L	99
51) 1,2-Dibromoethane	11.23	107	346966	97.268	ug/L	98
52) Chlorobenzene	11.66	112	1381204	96.136	ug/L	98
53) Ethylbenzene	11.73	91	2535811	102.848	ug/L	97
54) m,p-Xylene	11.84	106	974301	99.823	ug/L	99
55) o-xylene	12.16	106	948874	101.334	ug/L	99
56) Styrene	12.18	104	1655120	105.283	ug/L	98
57) Isopropylbenzene	12.46	105	2572581	100.901	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	439596	110.466	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	324120	111.682	ug/L	100
62) Bromoform	12.35	173	264444	93.987	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	1044999	96.054	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1028366	95.544	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	921121	94.313	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	77254	120.898	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	712793	84.754	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	629259	91.037	ug/L	92
69) Naphthalene	15.36	128	1213300	104.993	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	543349	91.030	ug/L	100

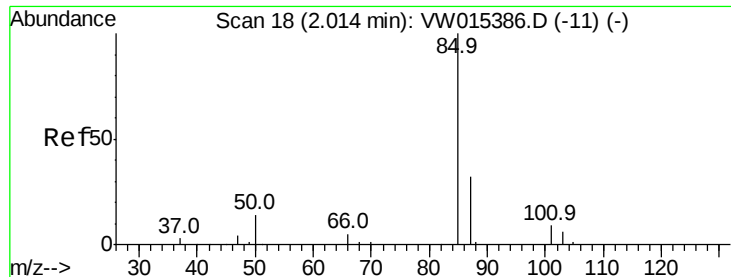
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 92.512 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

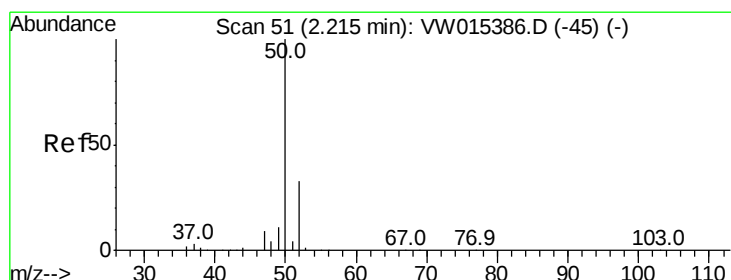
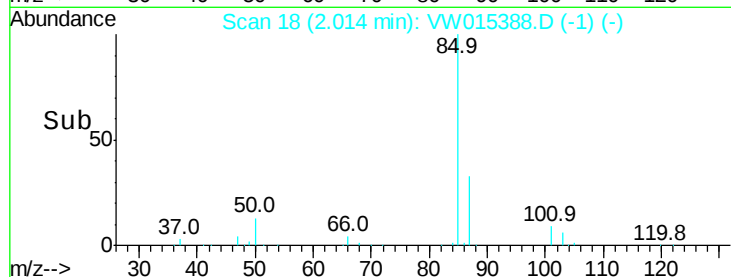
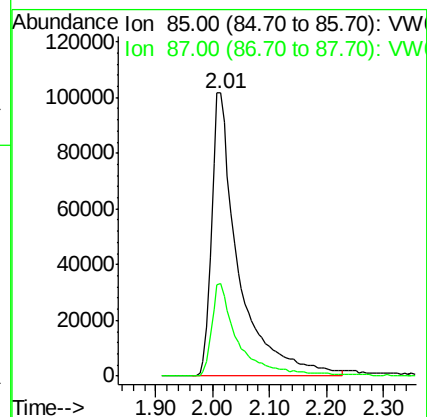
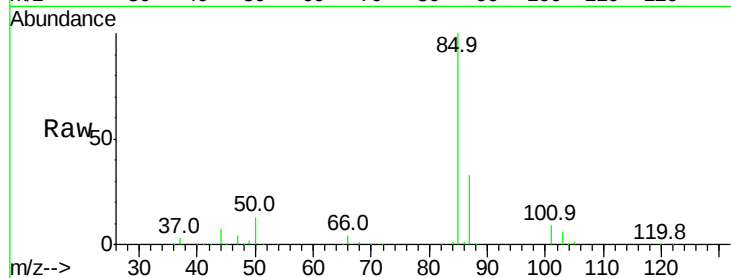
VSTD10006

Tgt Ion: 85 Resp: 335071

Ion Ratio Lower Upper

85 100

87 30.5 21.3 39.5



#3

Chloromethane

Concen: 121.993 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015388.D

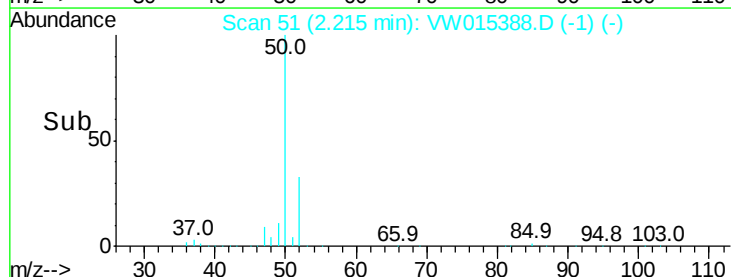
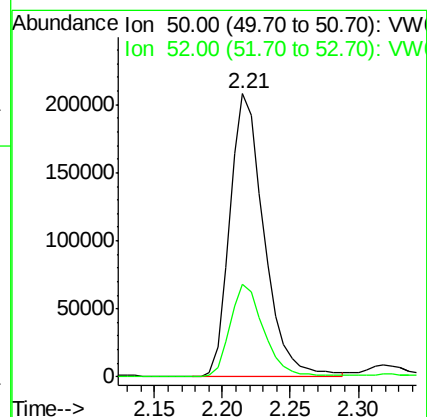
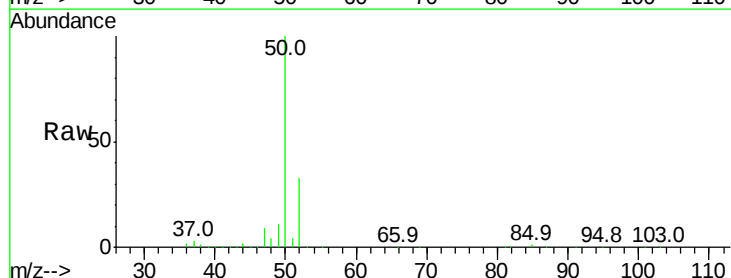
Acq: 04 May 2020 15:40

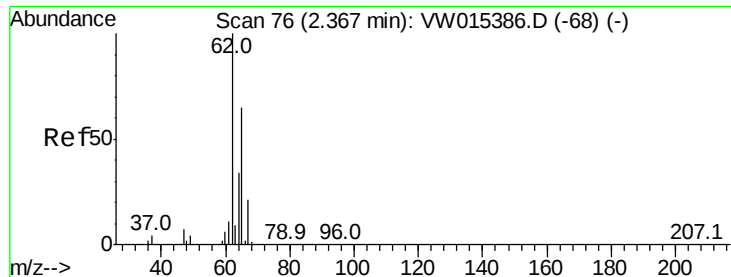
Tgt Ion: 50 Resp: 361782

Ion Ratio Lower Upper

50 100

52 32.6 23.2 43.0





#5

Vinyl chloride

Concen: 146.091 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

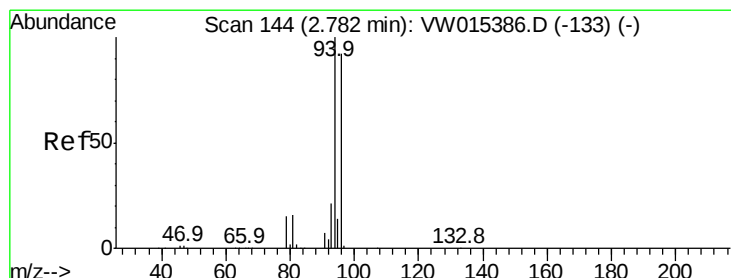
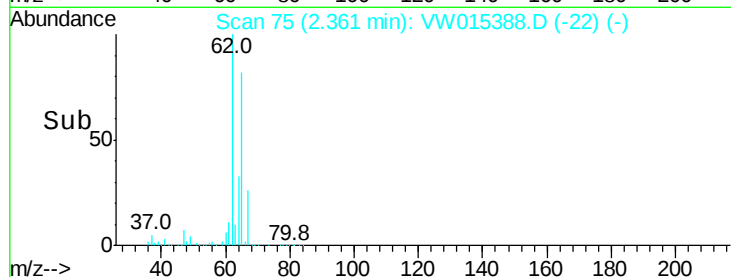
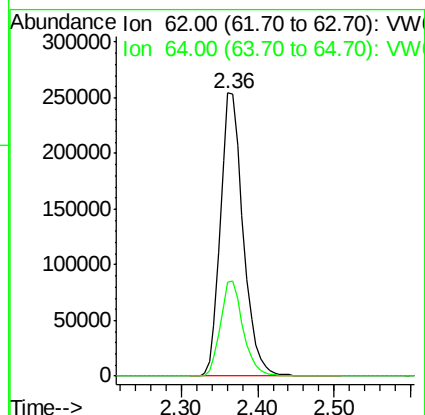
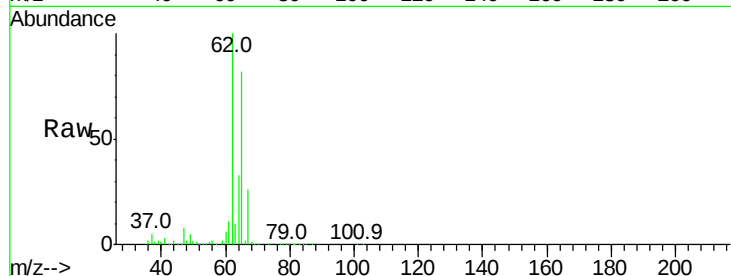
VSTD10006

Tgt Ion: 62 Resp: 523143

Ion Ratio Lower Upper

62 100

64 33.1 23.7 44.1



#6

Bromomethane

Concen: 104.923 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015388.D

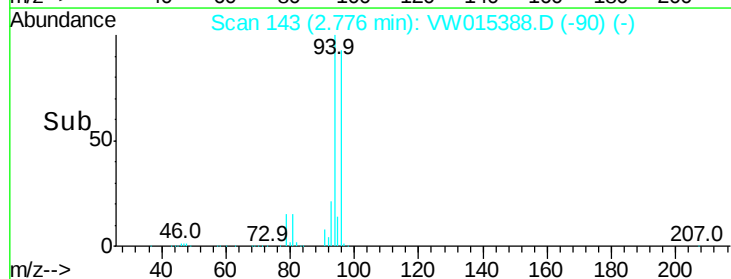
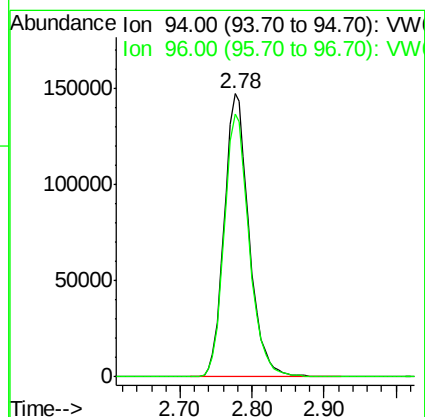
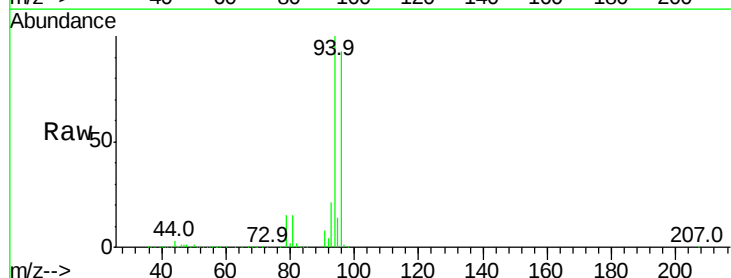
Acq: 04 May 2020 15:40

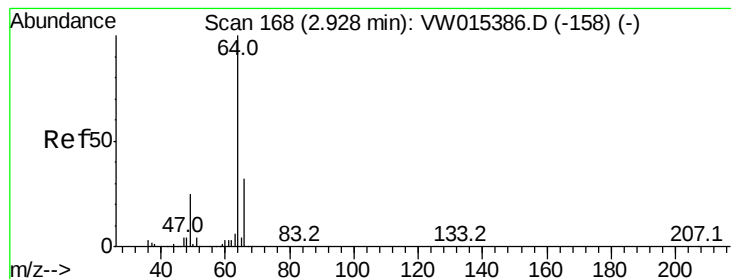
Tgt Ion: 94 Resp: 353148

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.7





#8

Chloroethane

Concen: 125.268 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

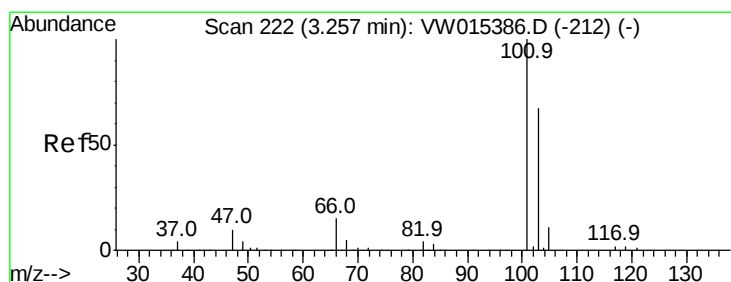
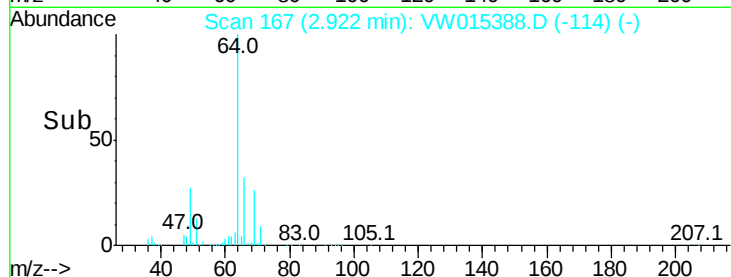
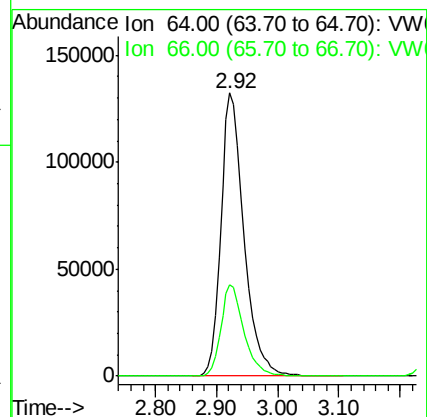
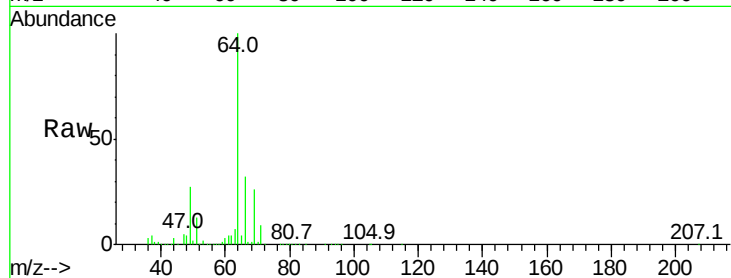
VSTD10006

Tgt Ion: 64 Resp: 348093

Ion Ratio Lower Upper

64 100

66 32.3 22.3 41.3



#9

Trichlorofluoromethane

Concen: 95.249 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW015388.D

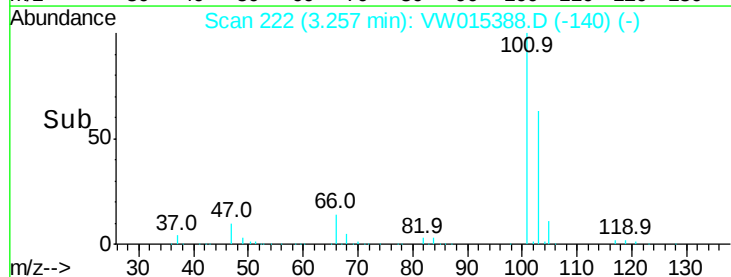
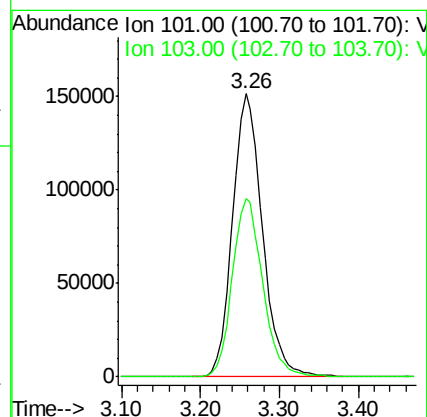
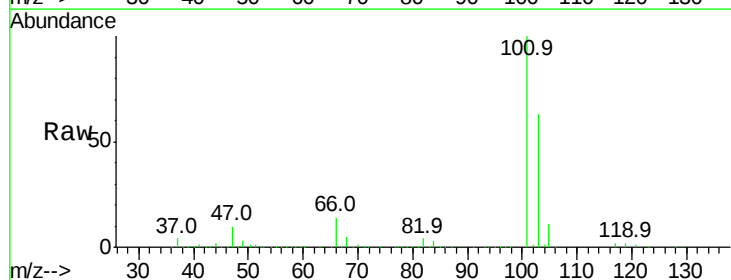
Acq: 04 May 2020 15:40

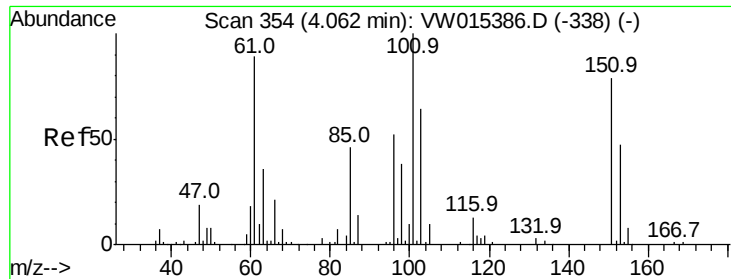
Tgt Ion: 101 Resp: 399458

Ion Ratio Lower Upper

101 100

103 64.3 45.5 84.5





#11

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

Concen: 99.601 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

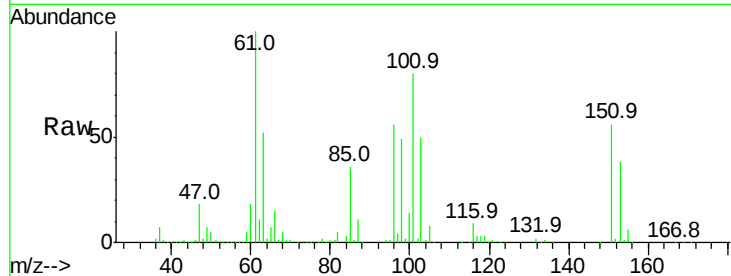
Tgt Ion: 101 Resp: 441034

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

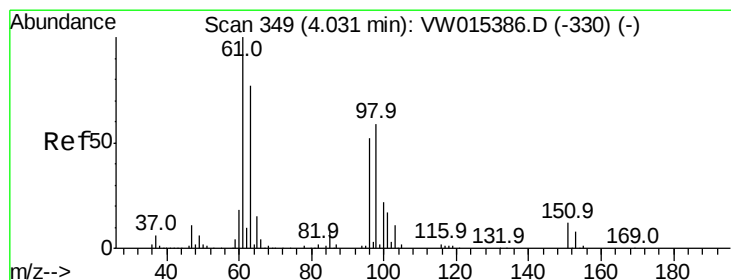
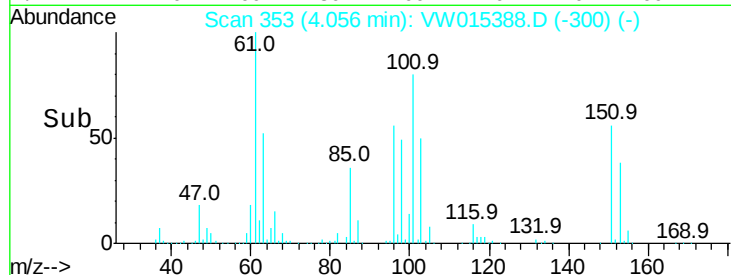
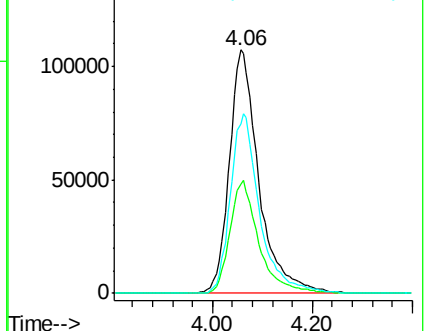
151 72.8 57.1 85.7



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: 102.205 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

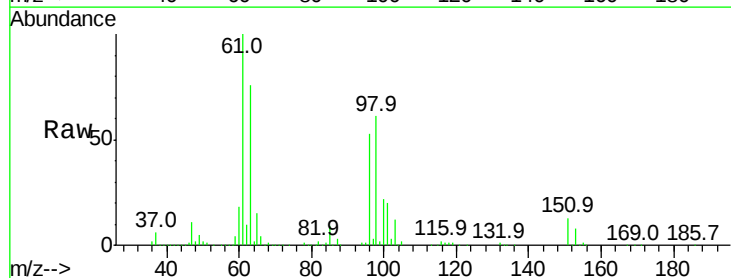
Tgt Ion: 96 Resp: 442131

Ion Ratio Lower Upper

96 100

61 188.5 135.9 252.5

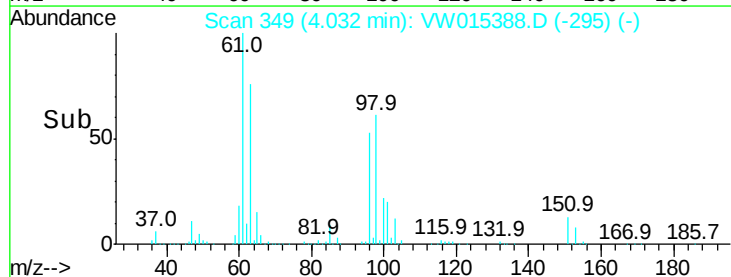
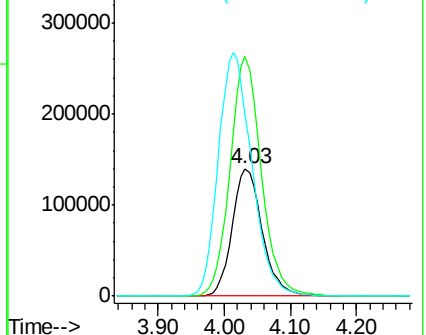
63 143.4 104.4 194.0

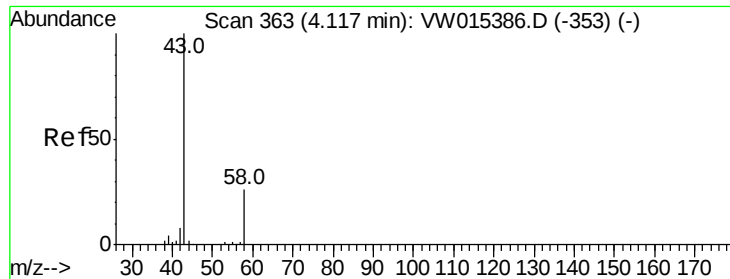


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 243.475 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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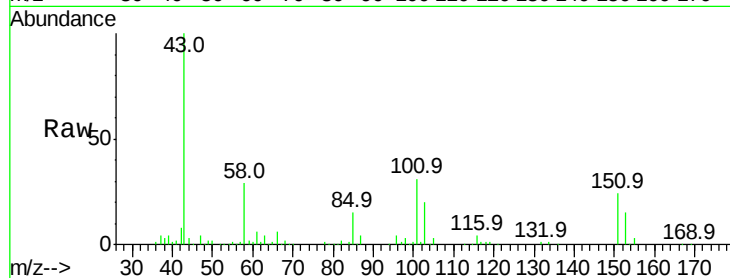
VSTD10006

Tgt Ion: 43 Resp: 176449

Ion Ratio Lower Upper

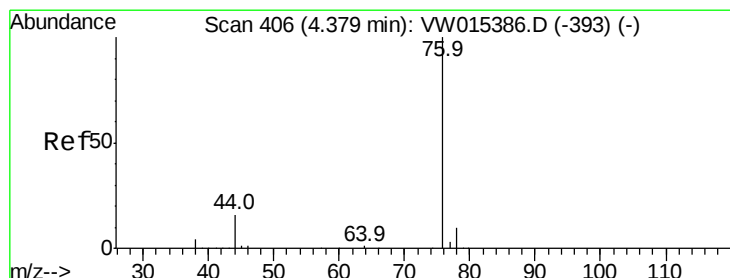
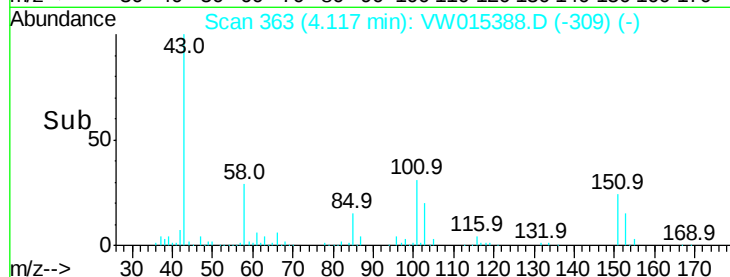
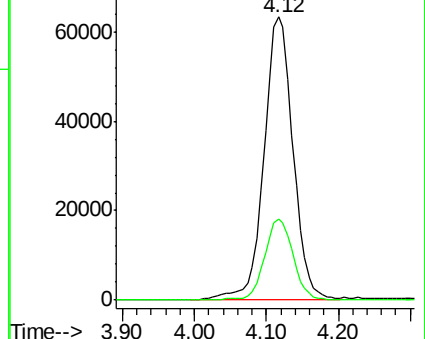
43 100

58 28.4 0.0 57.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 112.185 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015388.D

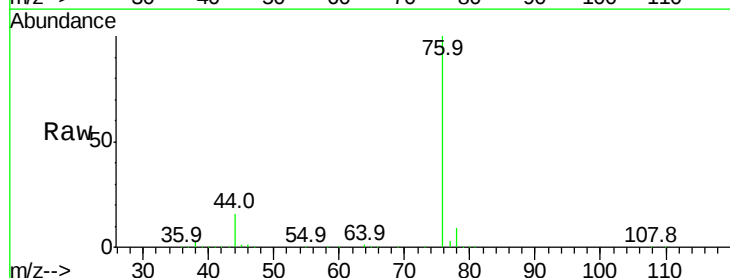
Acq: 04 May 2020 15:40

Tgt Ion: 76 Resp: 1324683

Ion Ratio Lower Upper

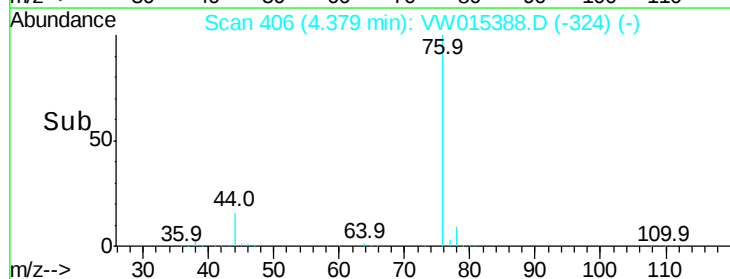
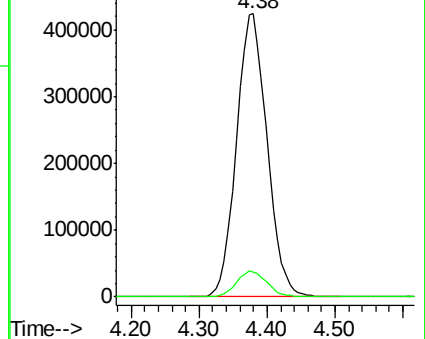
76 100

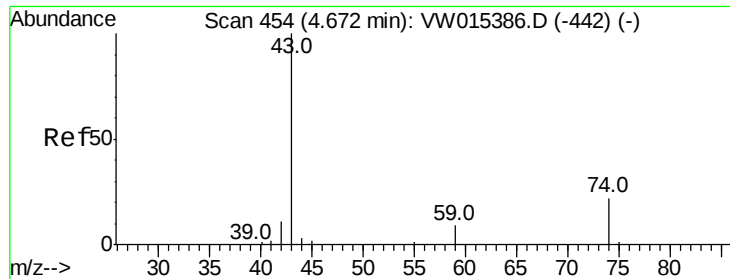
78 8.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

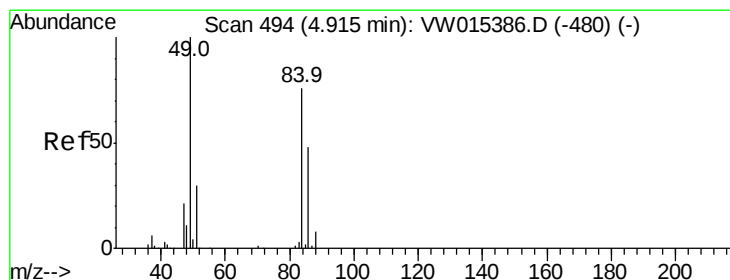
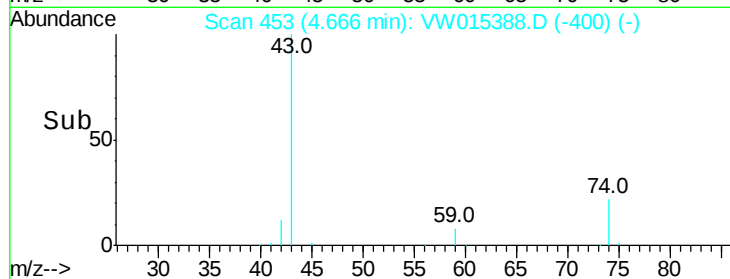
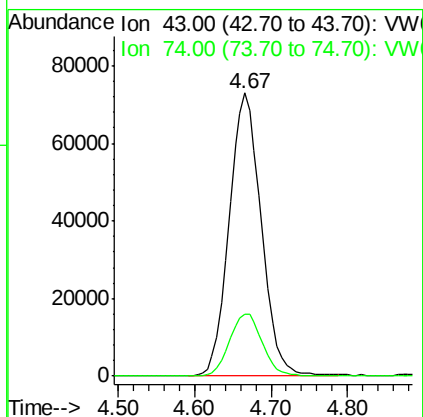
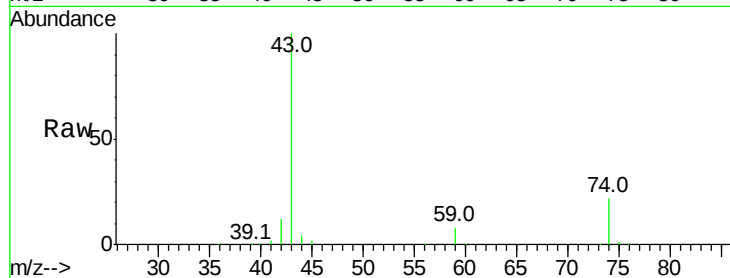




#15
Methyl Acetate
Concen: 145.086 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

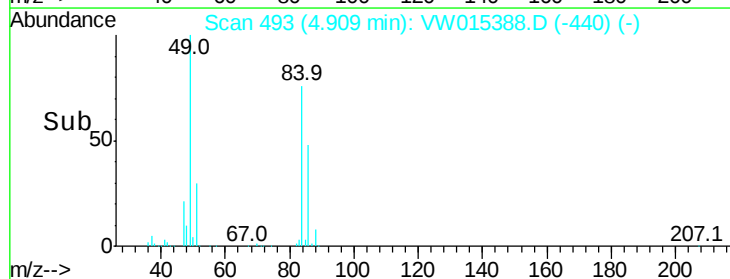
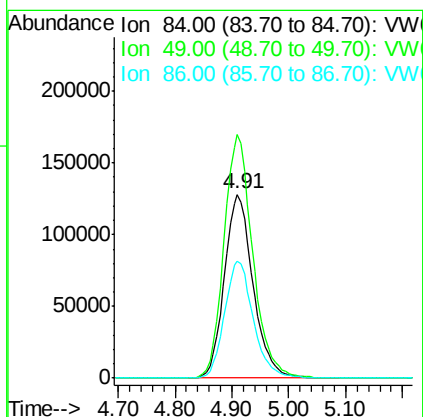
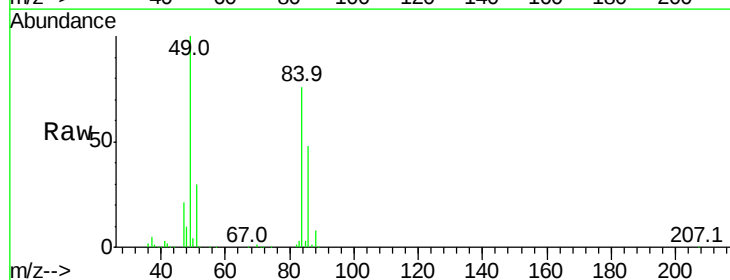
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

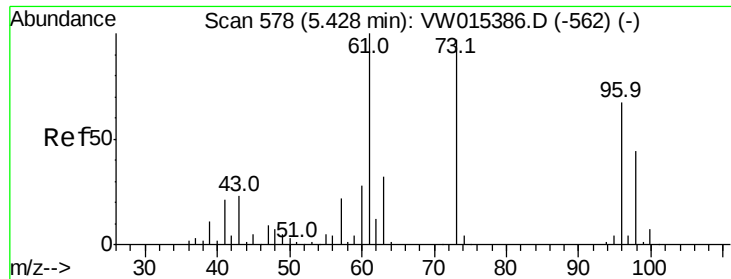
Tgt Ion: 43 Resp: 209694
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.6



#16
Methylene chloride
Concen: 91.666 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Tgt Ion: 84 Resp: 448878
Ion Ratio Lower Upper
84 100
49 132.3 91.6 170.2
86 63.6 44.0 81.8

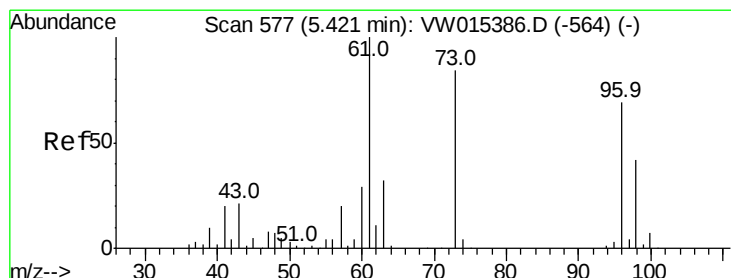
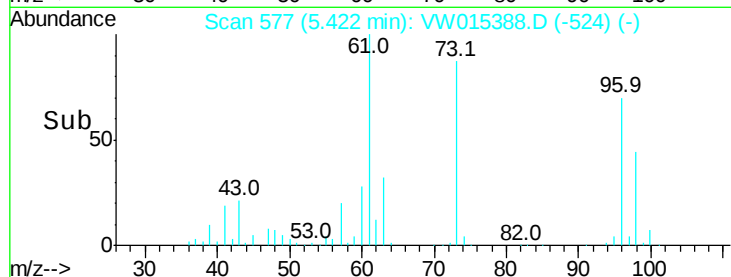
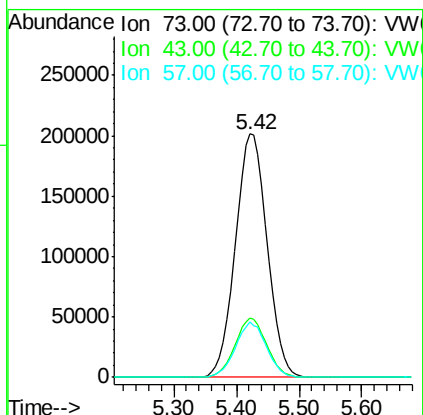
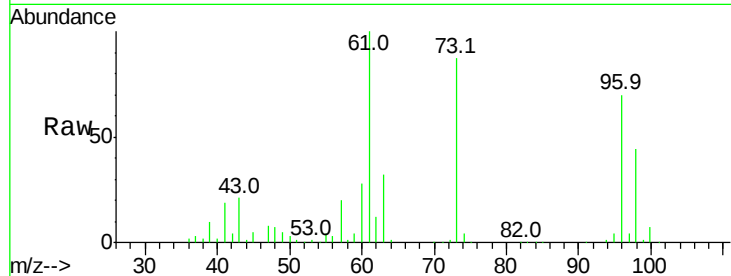




#17
Methyl tert-butyl Ether
Concen: 110.205 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

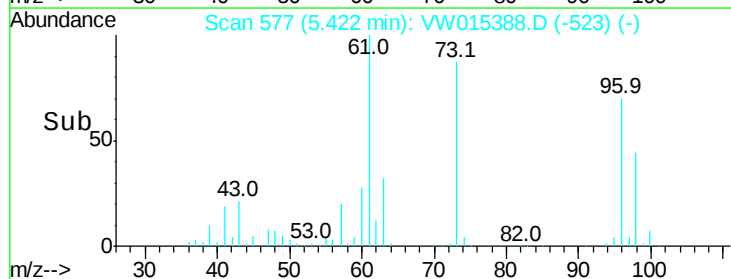
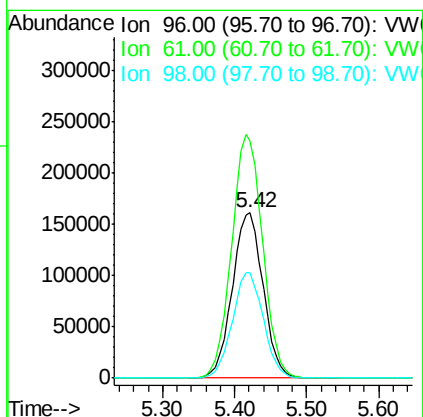
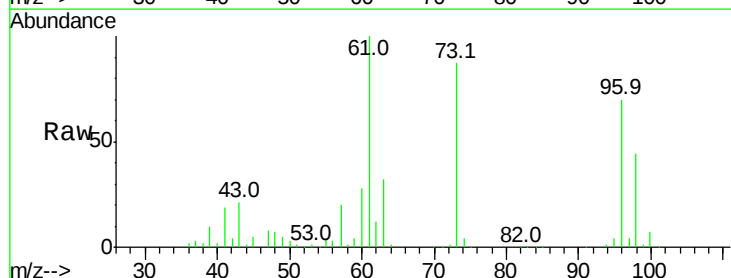
Instrument :
MSVOA_W
ClientSampled :
VSTD10006

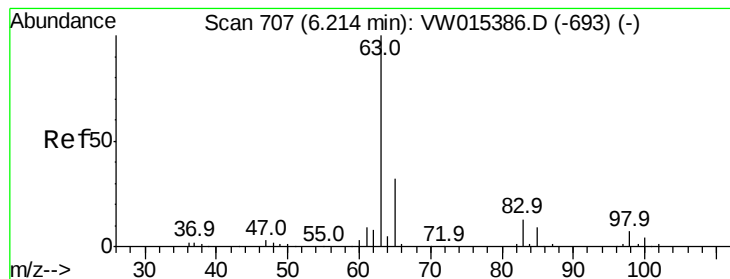
Tgt Ion: 73 Resp: 704988
Ion Ratio Lower Upper
73 100
43 23.9 19.3 28.9
57 22.2 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 100.804 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Tgt Ion: 96 Resp: 477762
Ion Ratio Lower Upper
96 100
61 143.8 101.1 187.7
98 63.5 42.4 78.8





#19

1,1-Dichloroethane

Concen: 121.864 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

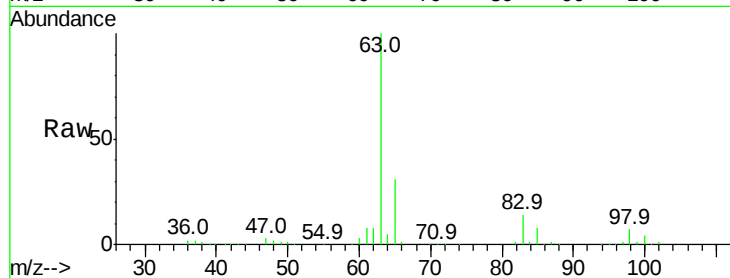
Tgt Ion: 63 Resp: 899582

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

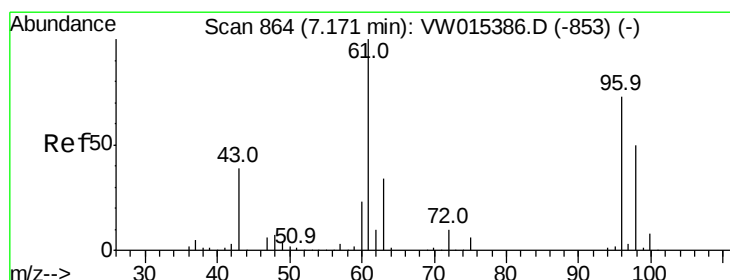
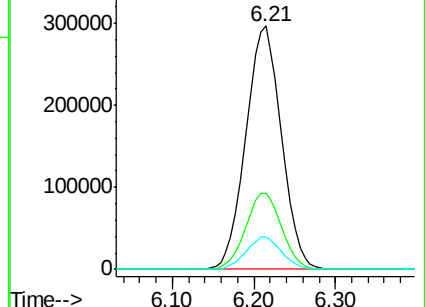
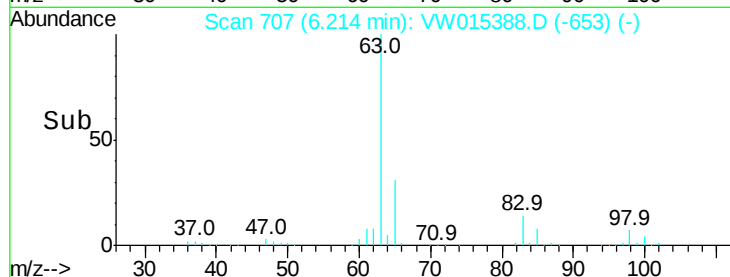
83 13.5 9.1 16.9



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: 254.927 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015388.D

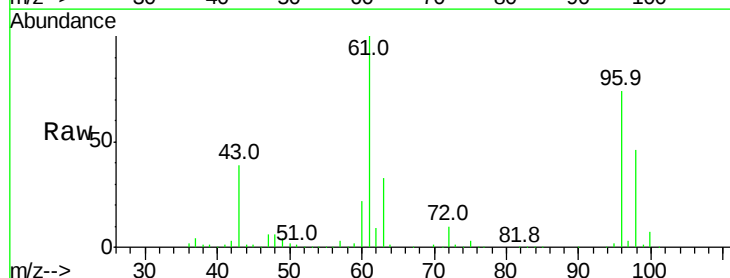
Acq: 04 May 2020 15:40

Tgt Ion: 43 Resp: 279424

Ion Ratio Lower Upper

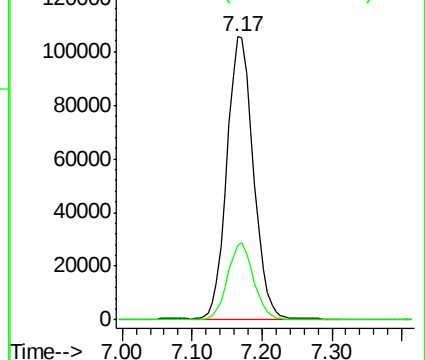
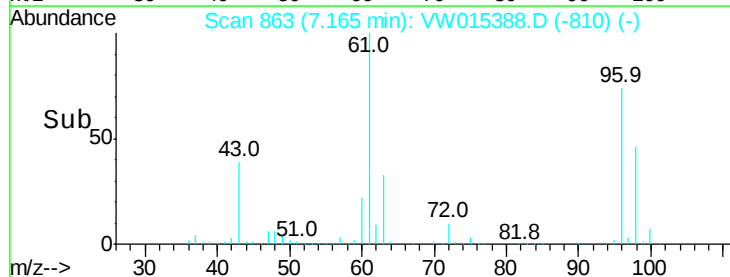
43 100

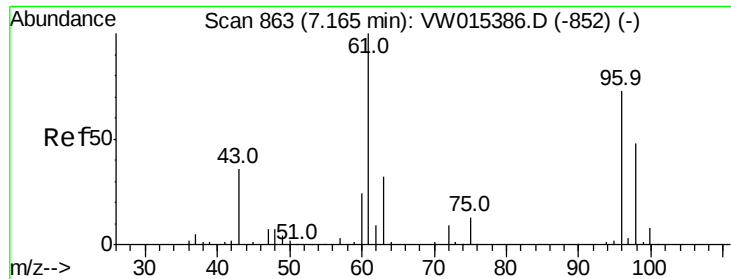
72 26.5 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



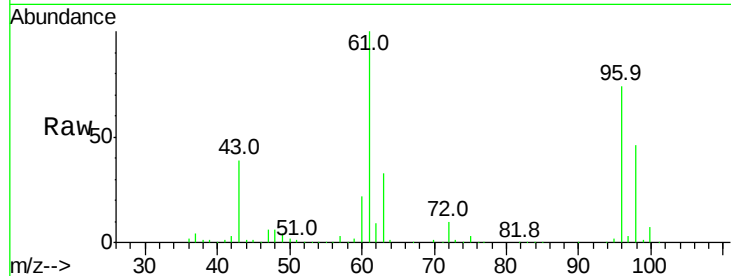


#22

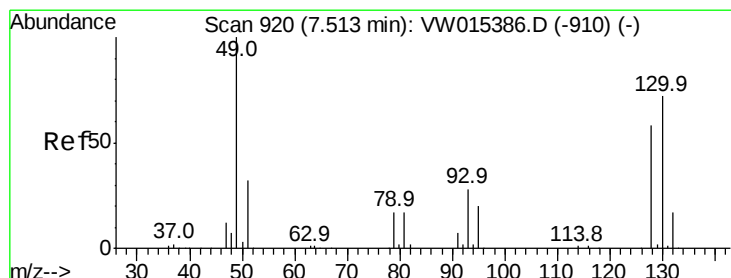
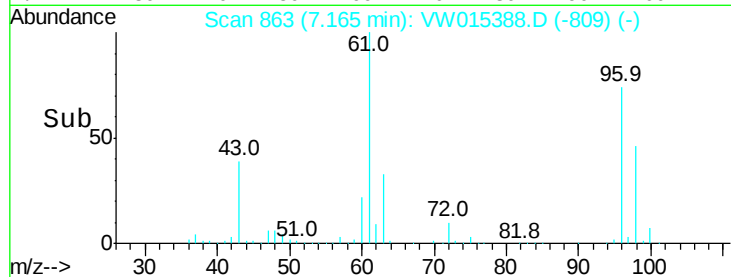
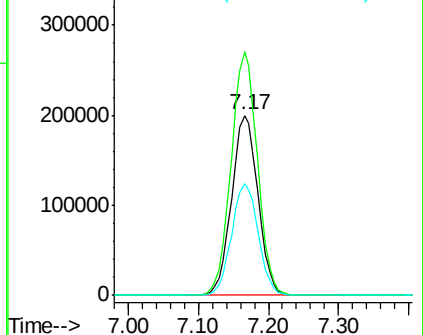
cis-1,2-Dichloroethene
Concen: 101.876 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

Tgt Ion: 96 Resp: 521398
Ion Ratio Lower Upper
96 100
61 135.5 95.8 178.0
98 62.4 45.9 85.3



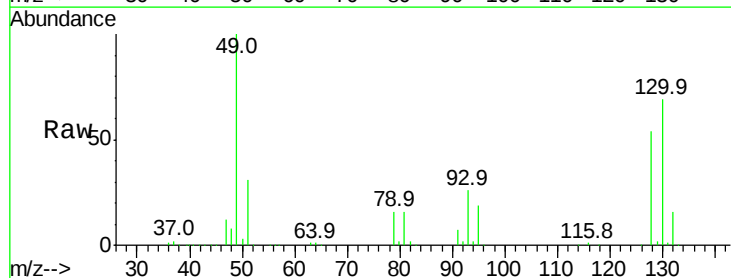
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



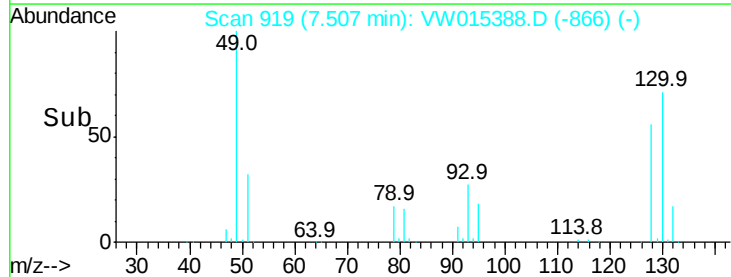
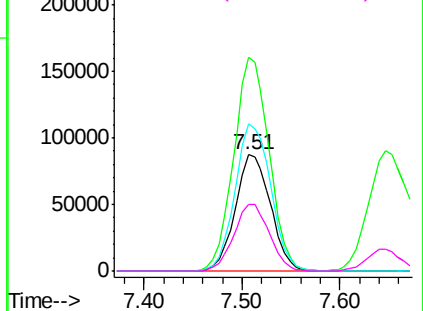
#23

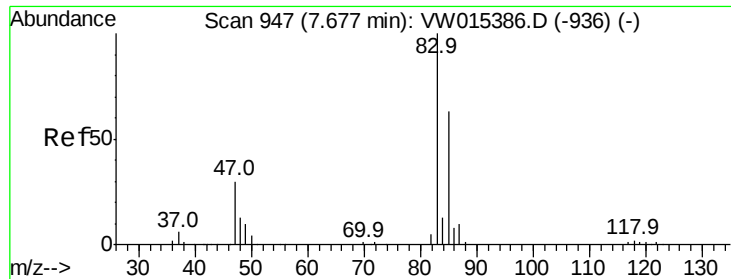
Bromochloromethane
Concen: 88.571 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Tgt Ion: 128 Resp: 217643
Ion Ratio Lower Upper
128 100
49 184.3 120.2 223.2
130 127.0 86.5 160.7
51 57.7 44.1 66.1



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

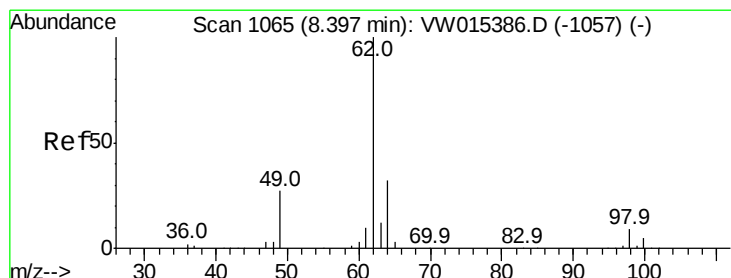
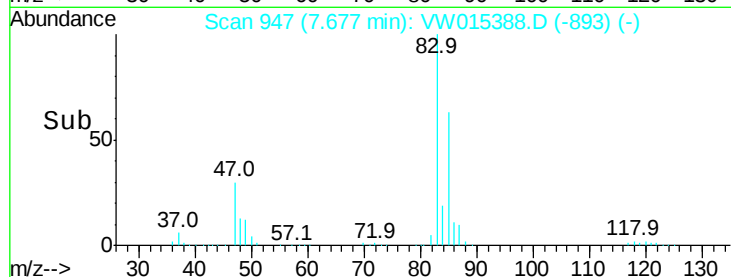
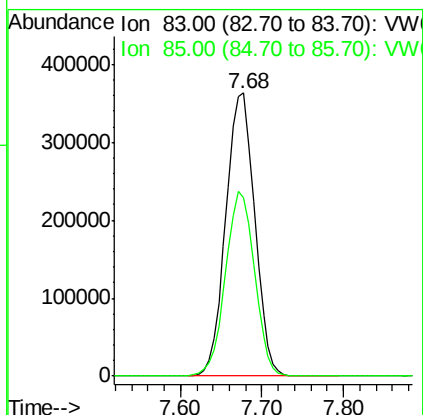
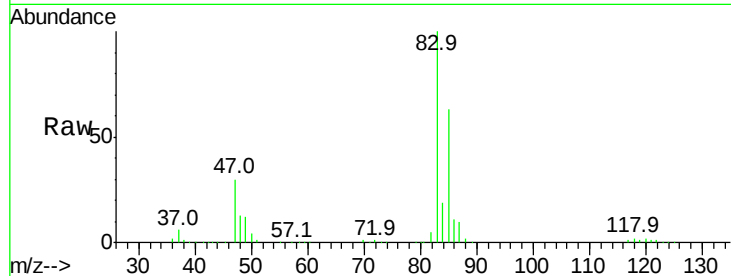




#25
Chloroform
Concen: 106.090 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

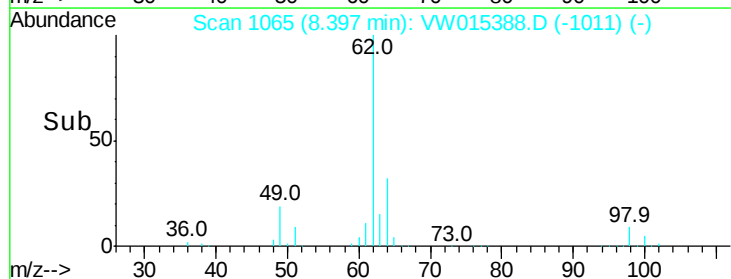
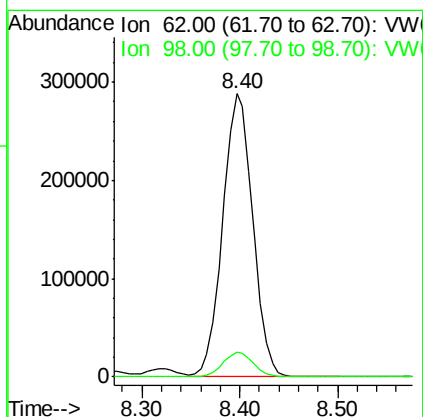
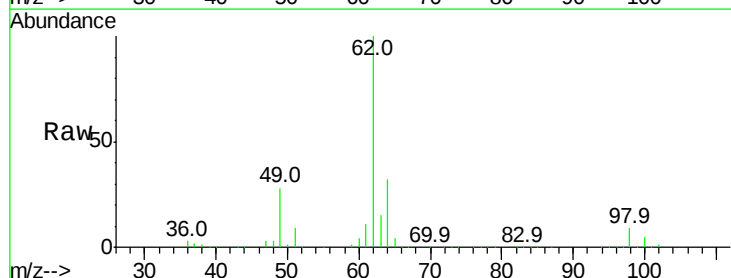
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

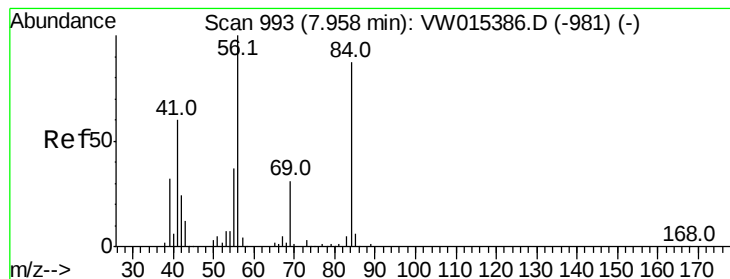
Tgt Ion: 83 Resp: 890775
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 114.967 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Tgt Ion: 62 Resp: 612213
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2





#30

Cyclohexane

Concen: 124.707 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

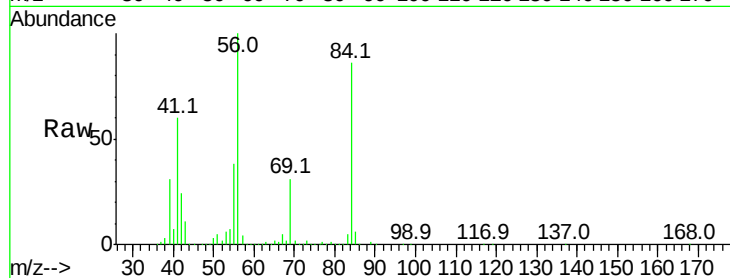
Tgt Ion: 56 Resp: 855667

Ion Ratio Lower Upper

56 100

69 30.6 24.5 36.7

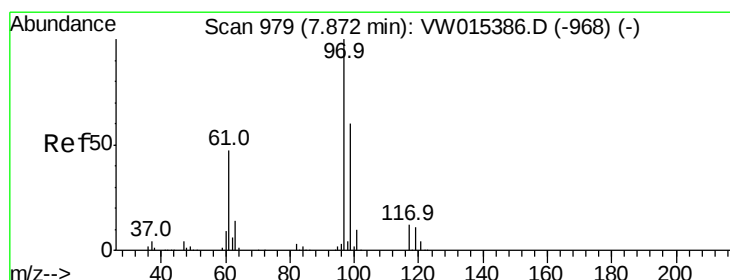
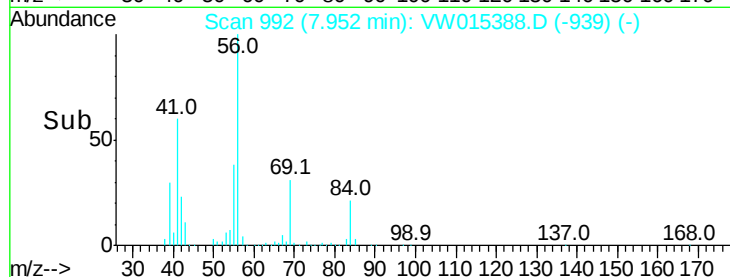
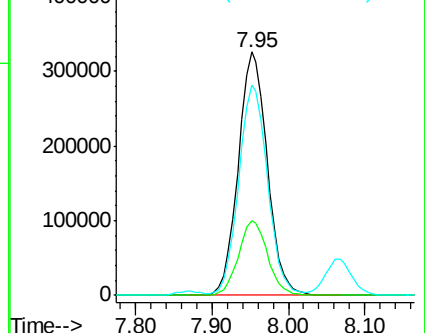
84 86.4 69.2 103.8



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: 95.611 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

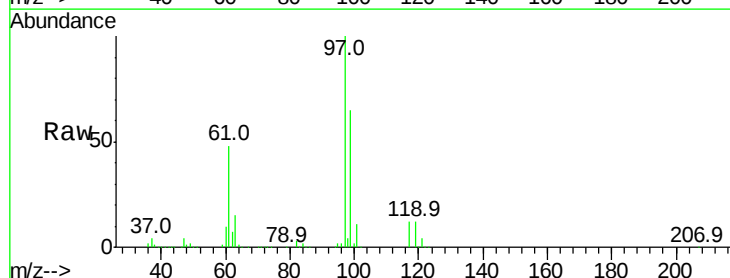
Tgt Ion: 97 Resp: 737201

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

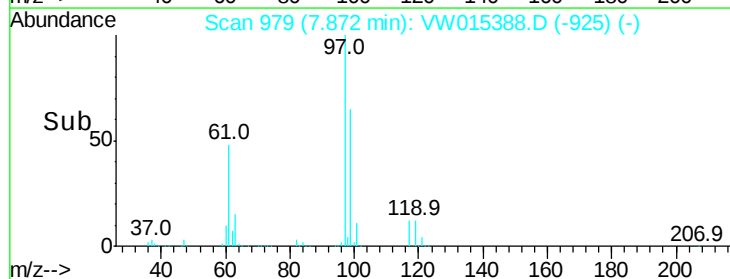
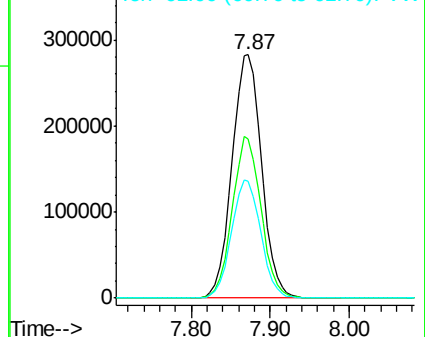
61 48.3 38.6 57.8

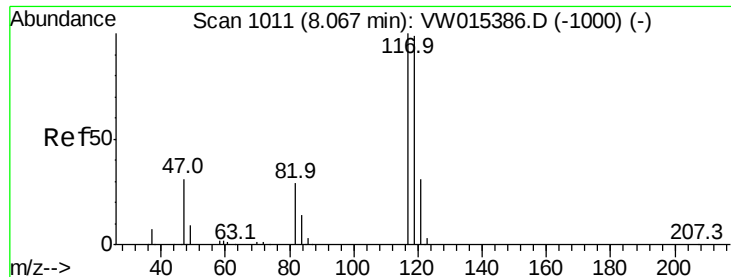


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 93.281 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

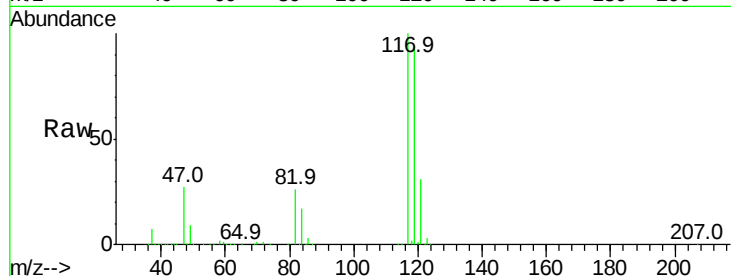
VSTD10006

Tgt Ion:117 Resp: 695462

Ion Ratio Lower Upper

117 100

119 94.7 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

300000

250000

200000

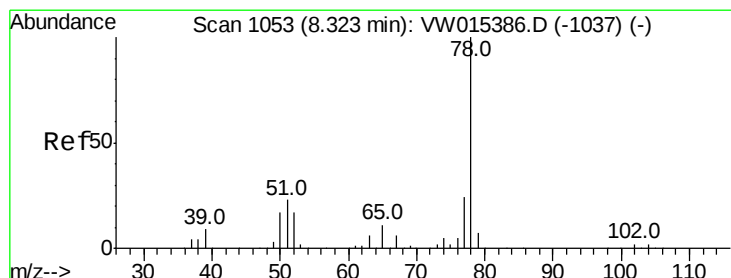
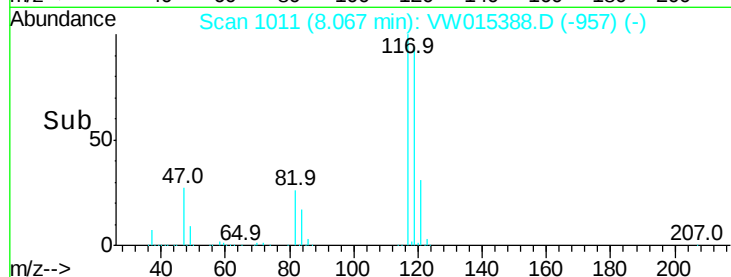
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 107.045 ug/L

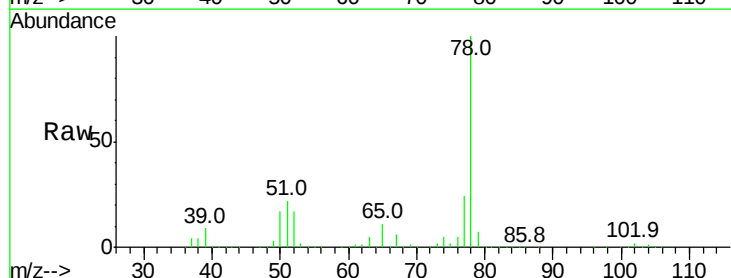
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Tgt Ion: 78 Resp: 1966300



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

1000000

800000

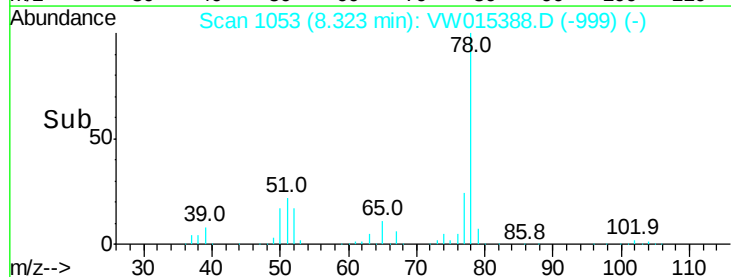
600000

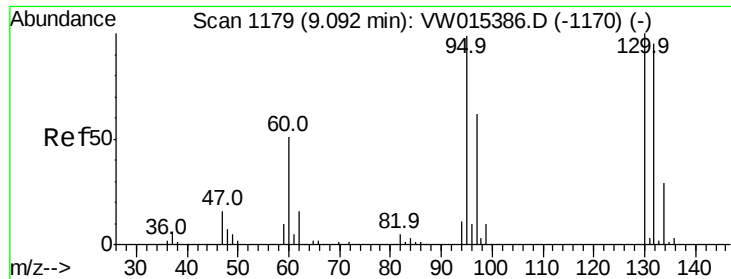
400000

200000

0

Time--> 8.20 8.30 8.40 8.50





#35

Trichloroethene

Concen: 98.759 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 95 Resp: 521907

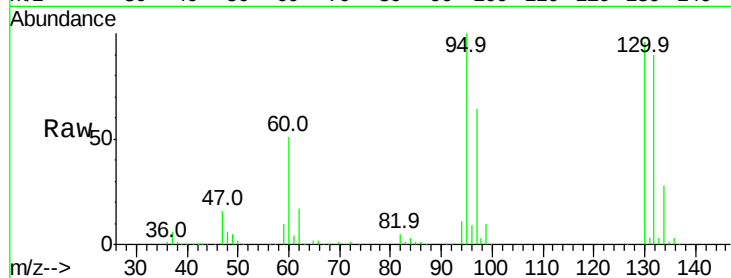
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.5

132 93.7 64.5 119.7

130 98.8 68.5 127.3



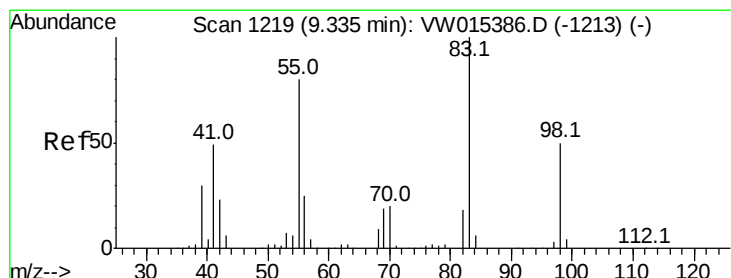
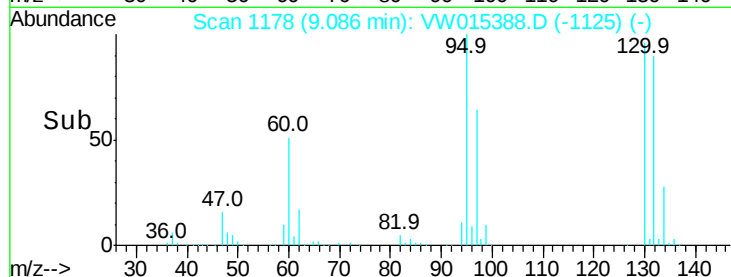
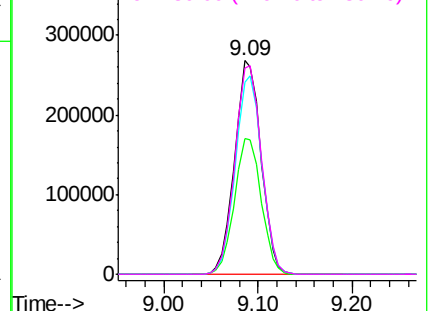
Abundance

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: 102.794 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

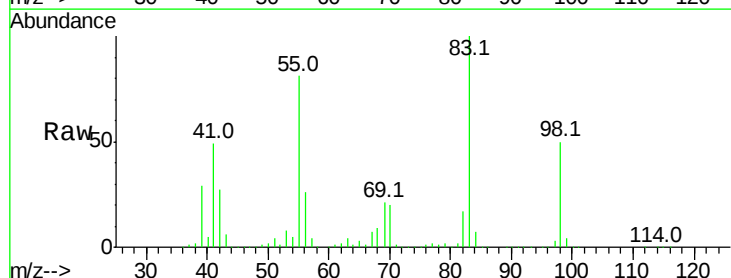
Tgt Ion: 83 Resp: 915770

Ion Ratio Lower Upper

83 100

55 80.3 64.5 96.7

98 49.6 39.8 59.6

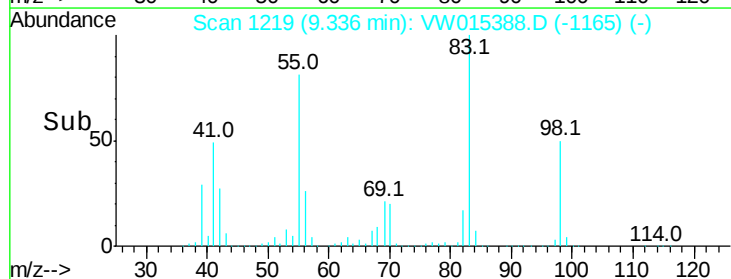
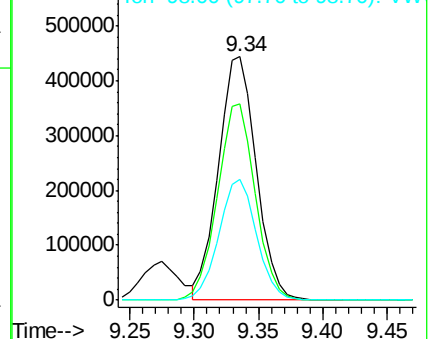


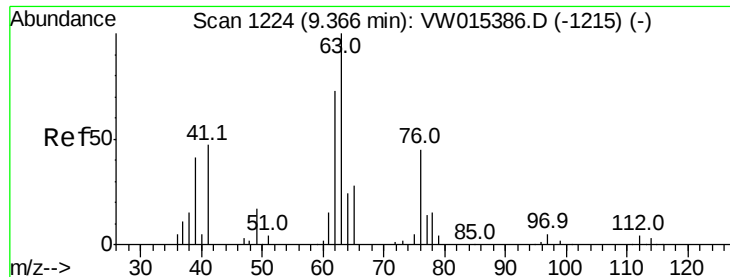
Abundance

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

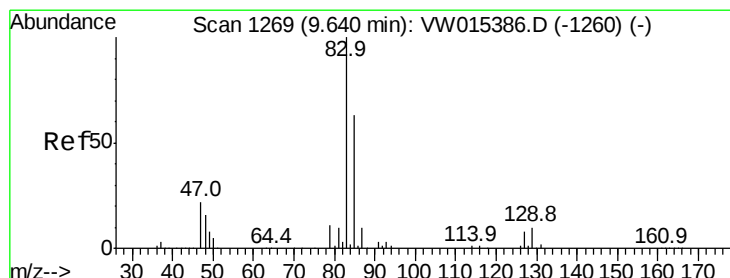
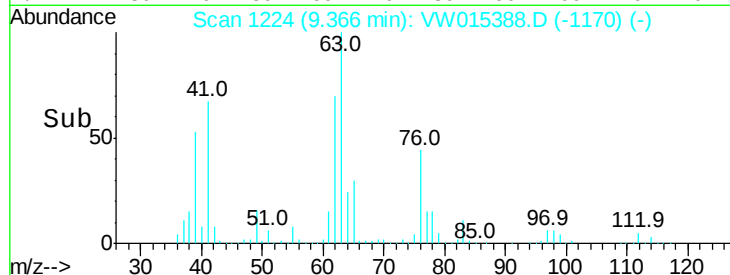
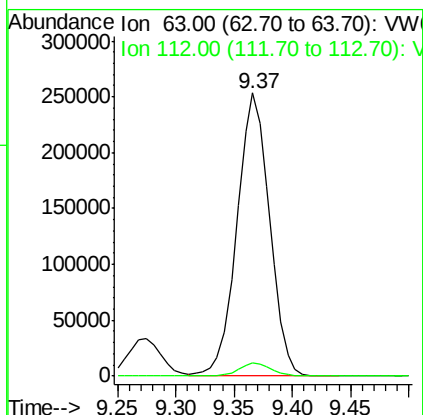
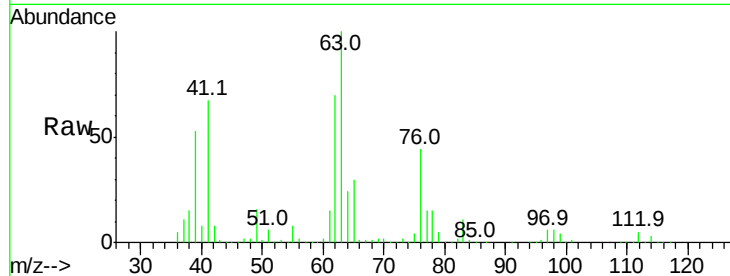




#40
 1,2-Dichloropropane
 Concen: 118.691 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

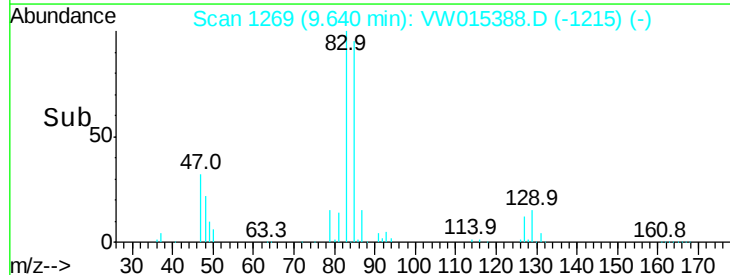
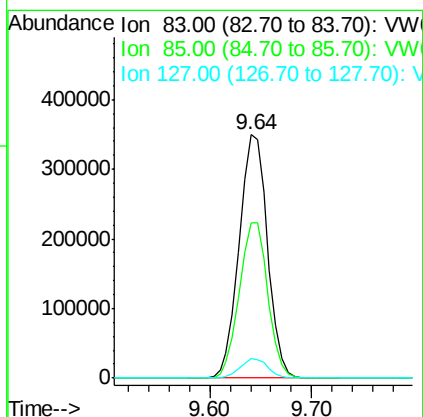
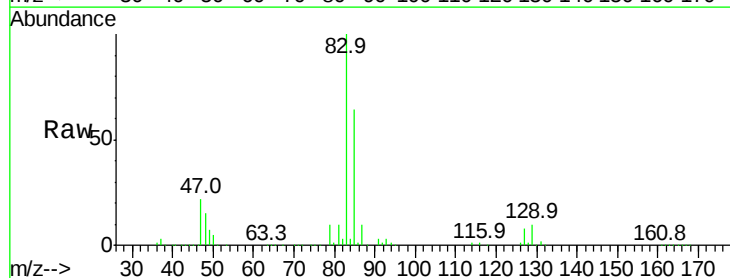
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

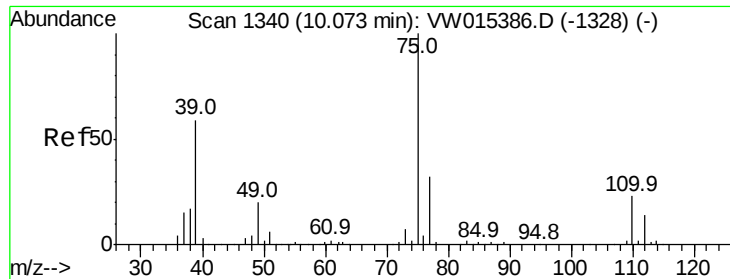
Tgt Ion: 63 Resp: 494770
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 105.634 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

Tgt Ion: 83 Resp: 674025
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.2 82.0
 127 8.2 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 114.414 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

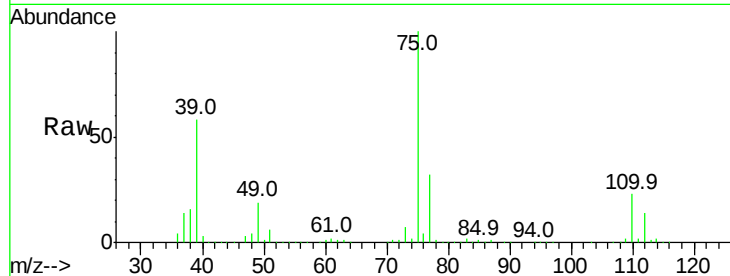
VSTD10006

Tgt Ion: 75 Resp: 835063

Ion Ratio Lower Upper

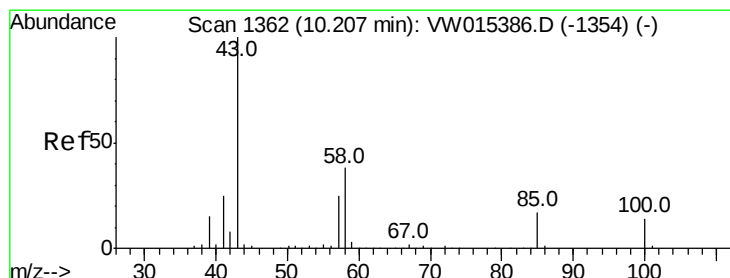
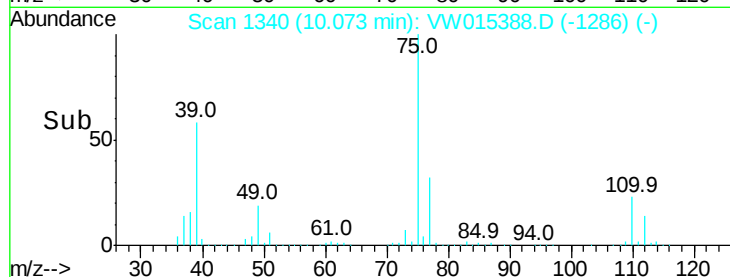
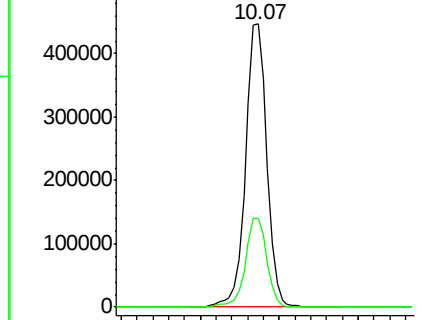
75 100

77 31.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 232.708 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

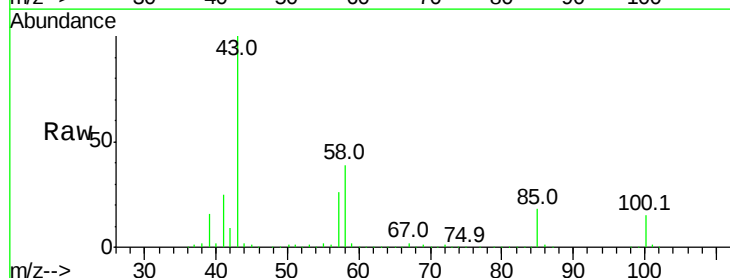
Tgt Ion: 43 Resp: 654152

Ion Ratio Lower Upper

43 100

58 38.5 30.5 45.7

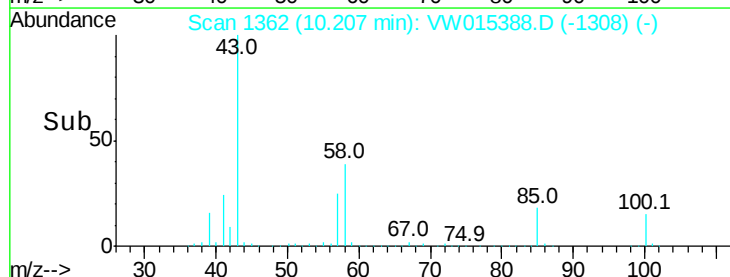
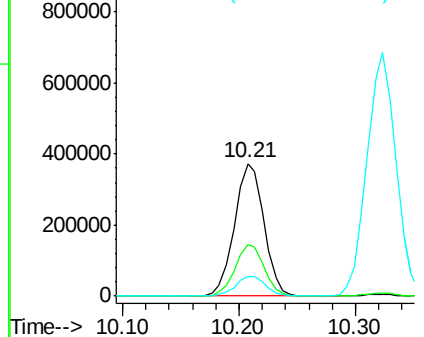
100 15.2 12.1 18.1

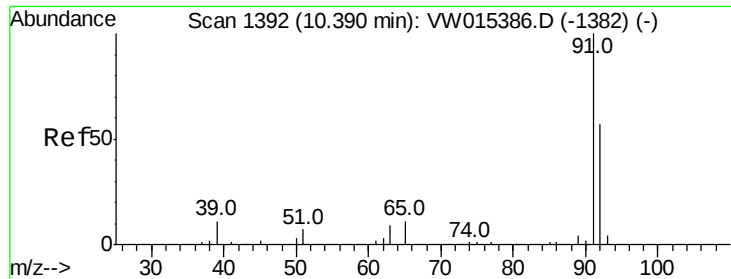


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 103.110 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

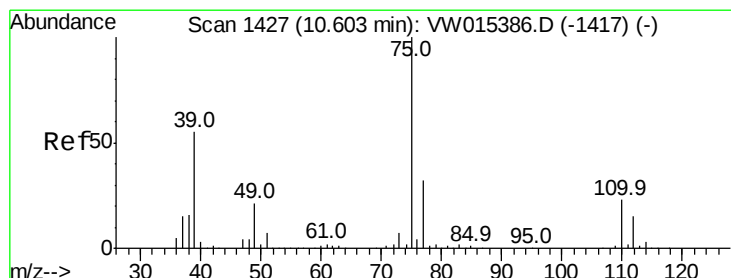
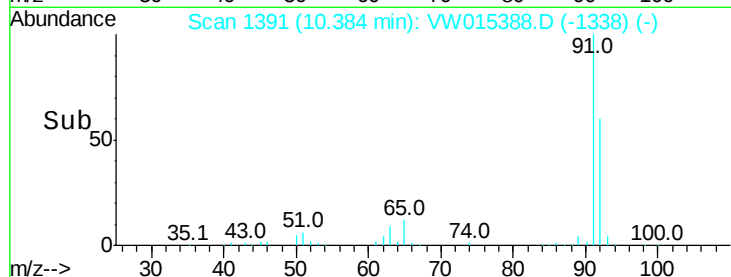
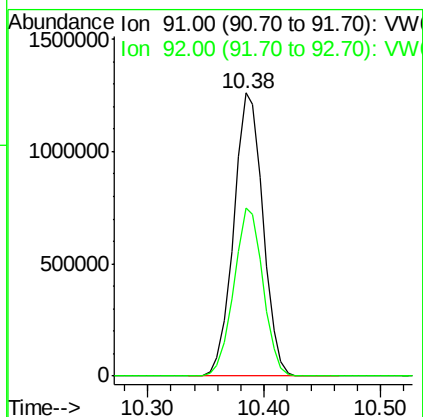
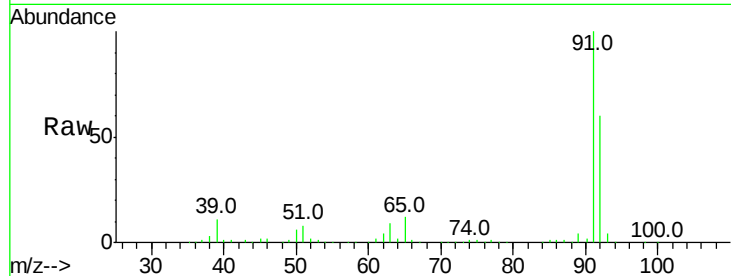
VSTD10006

Tgt Ion: 91 Resp: 2198126

Ion Ratio Lower Upper

91 100

92 59.6 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 114.660 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015388.D

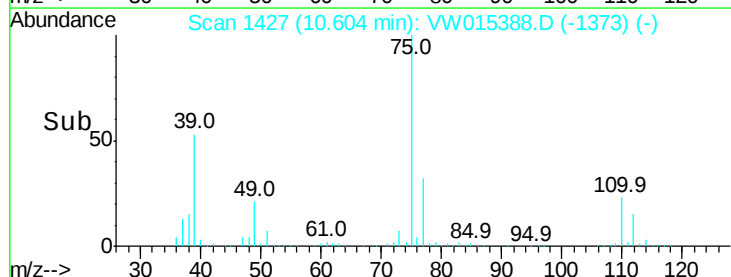
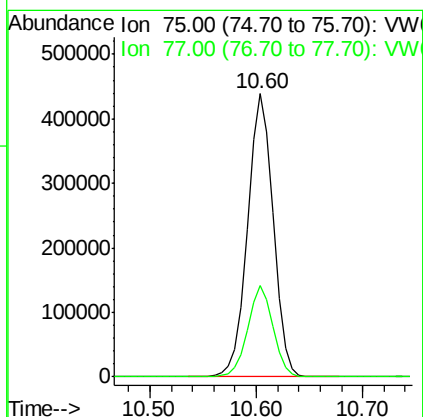
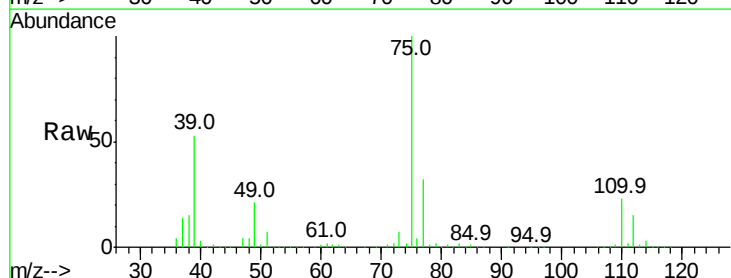
Acq: 04 May 2020 15:40

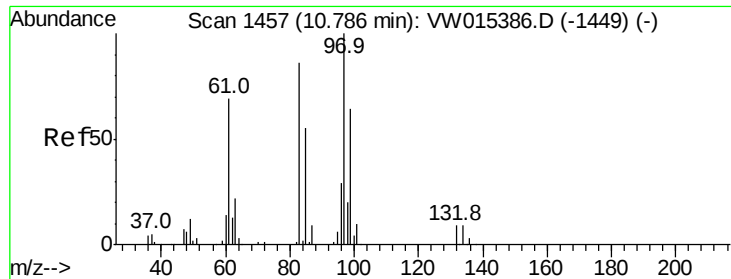
Tgt Ion: 75 Resp: 743838

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 100.113 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 97 Resp: 358178

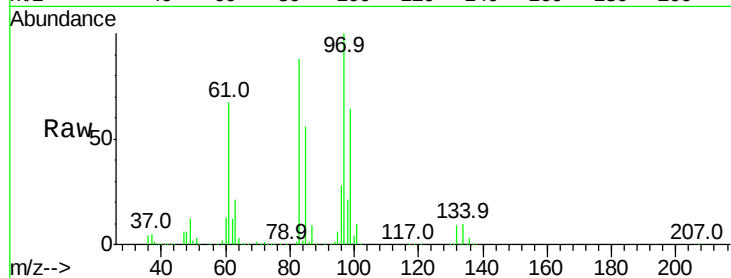
Ion Ratio Lower Upper

97 100

83 87.7 60.5 112.5

85 56.3 38.8 72.0

99 63.6 44.7 82.9



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

10.79

200000

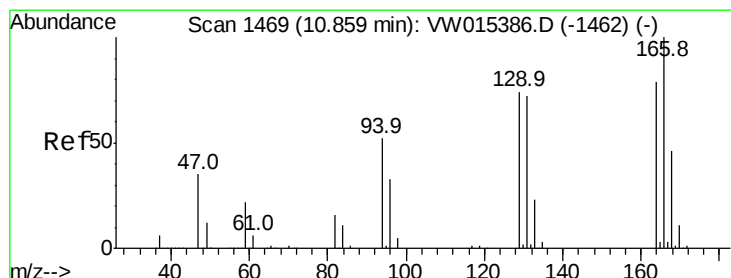
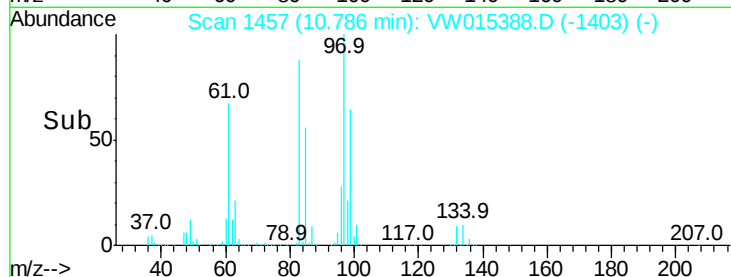
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 78.340 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Tgt Ion: 164 Resp: 394966

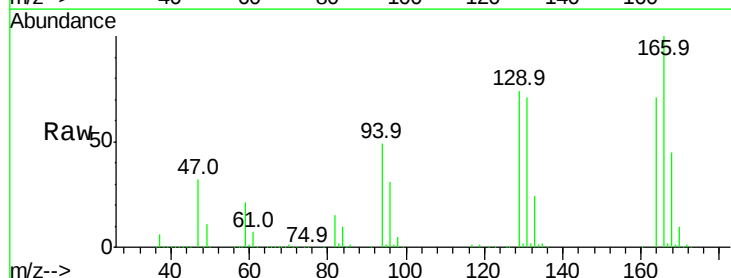
Ion Ratio Lower Upper

164 100

129 104.3 65.8 122.2

131 99.6 63.7 118.3

166 140.8 88.8 165.0



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

400000

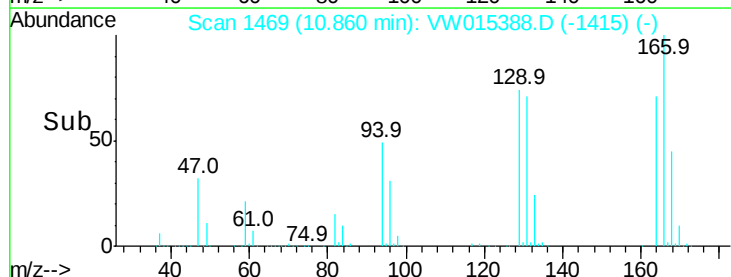
300000

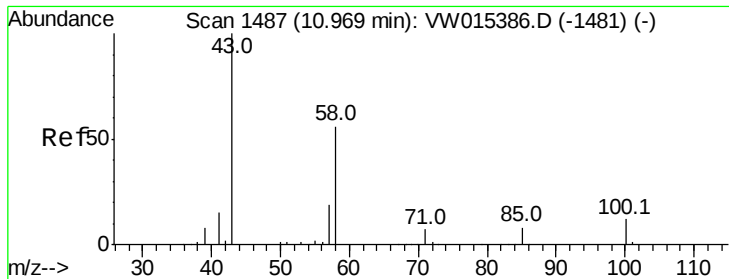
200000

100000

0

Time-->





#49

2-Hexanone

Concen: 292.945 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 43 Resp: 450858

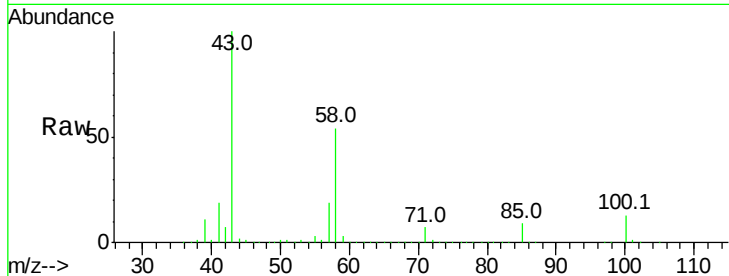
Ion Ratio Lower Upper

43 100

58 53.5 41.5 62.3

57 19.2 15.3 22.9

100 12.1 9.5 14.3



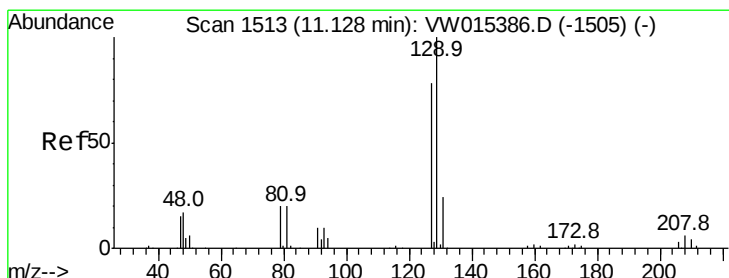
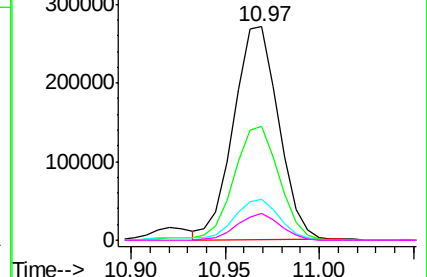
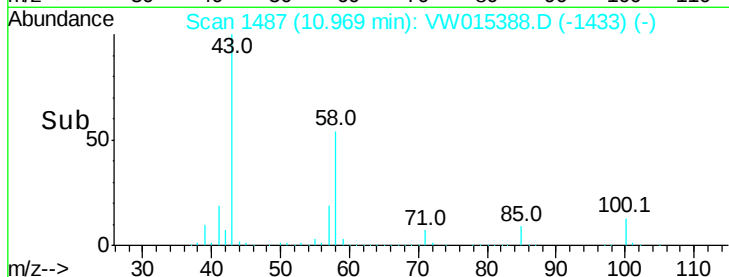
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#50

Dibromochloromethane

Concen: 91.373 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015388.D

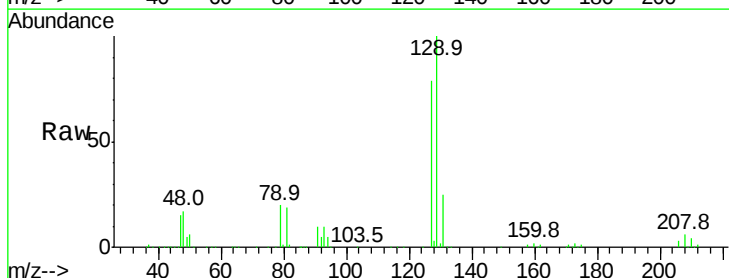
Acq: 04 May 2020 15:40

Tgt Ion: 129 Resp: 442115

Ion Ratio Lower Upper

129 100

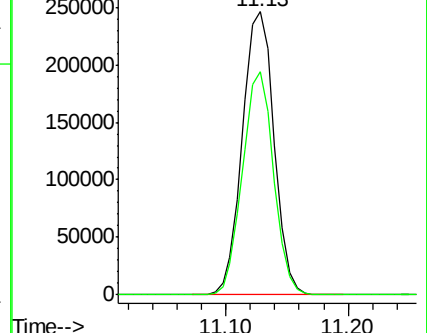
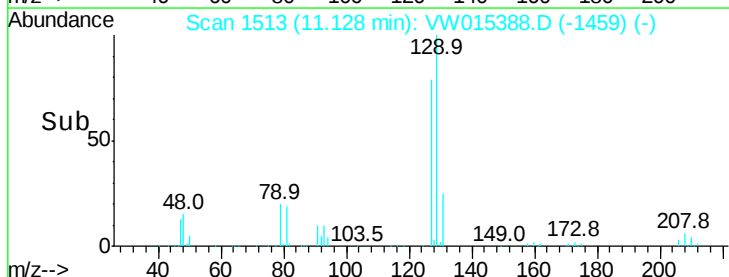
127 78.7 54.5 101.1

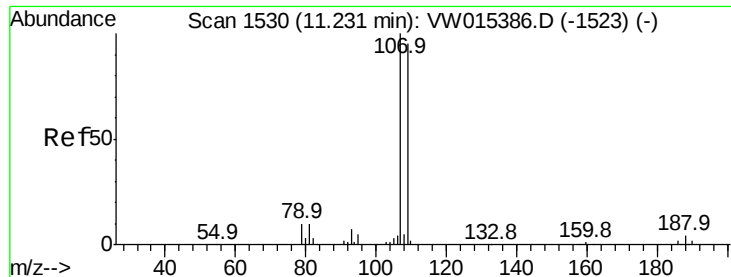


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

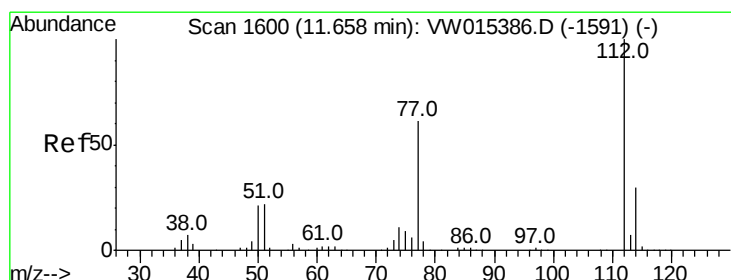
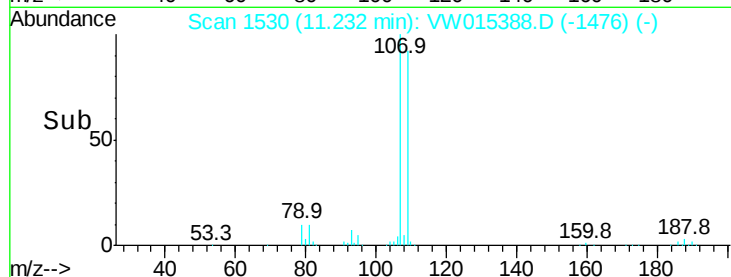
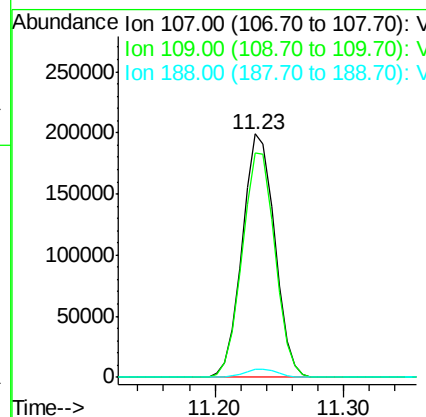
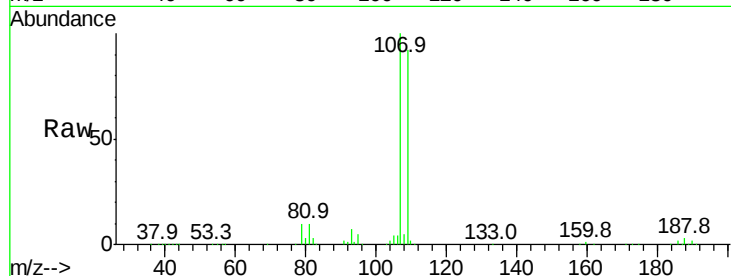




#51
 1,2-Dibromoethane
 Concen: 97.268 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

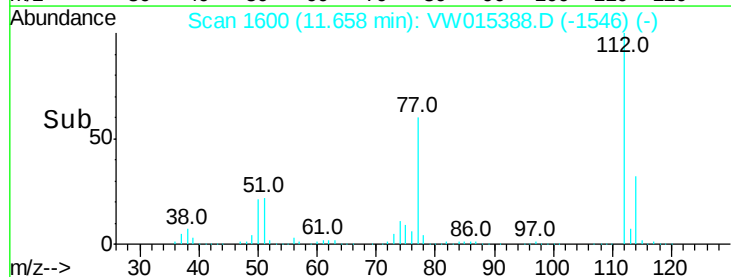
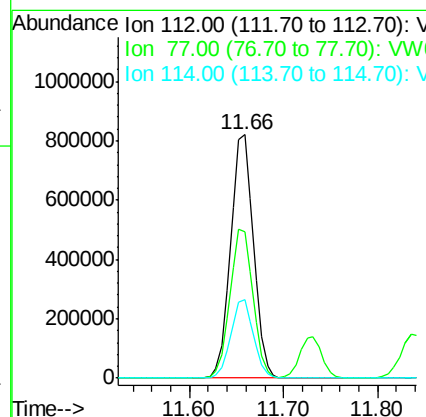
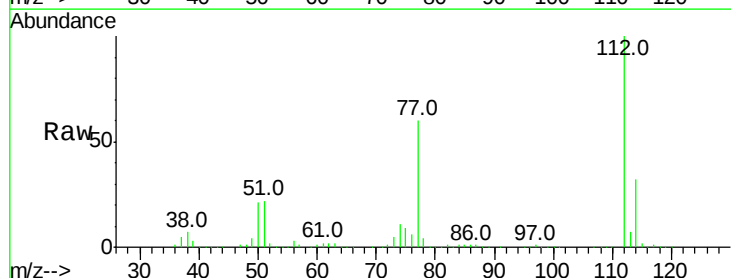
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

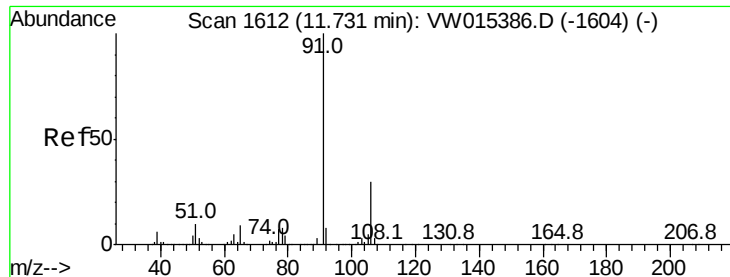
Tgt Ion:107 Resp: 346966
 Ion Ratio Lower Upper
 107 100
 109 92.2 66.2 123.0
 188 3.4 2.9 4.3



#52
 Chlorobenzene
 Concen: 96.136 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

Tgt Ion:112 Resp: 1381204
 Ion Ratio Lower Upper
 112 100
 77 60.0 48.6 73.0
 114 32.4 21.2 39.4





#53

Ethylbenzene

Concen: 102.848 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

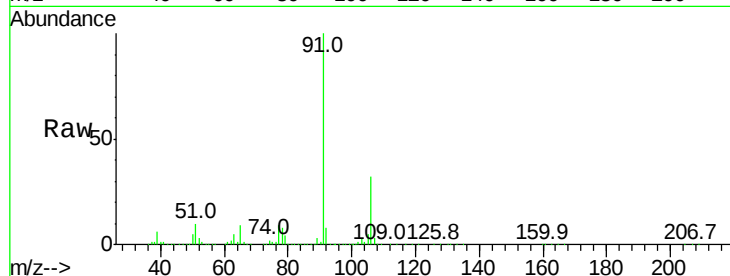
VSTD10006

Tgt Ion: 91 Resp: 2535811

Ion Ratio Lower Upper

91 100

106 31.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

1500000

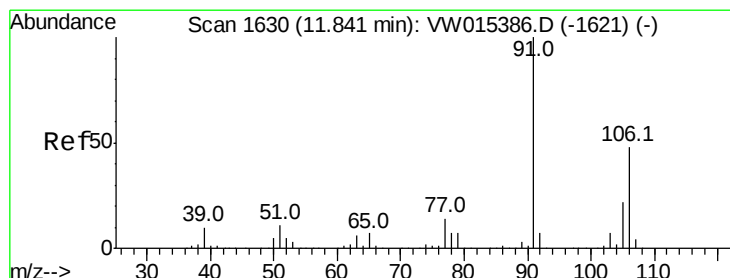
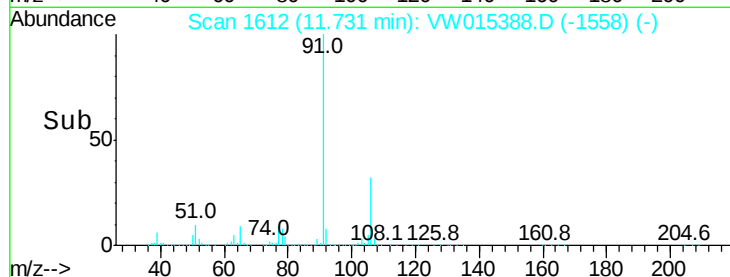
1000000

500000

0

Time-->

11.65 11.70 11.75 11.80



#54

m,p-Xylene

Concen: 99.823 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015388.D

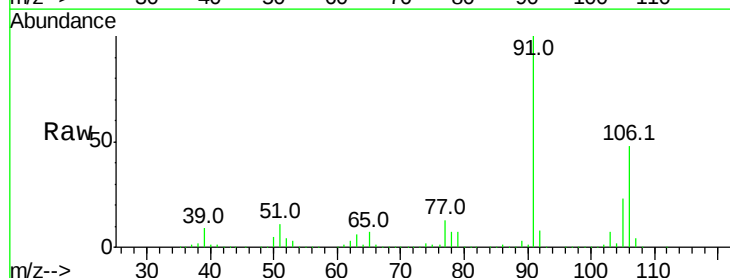
Acq: 04 May 2020 15:40

Tgt Ion: 106 Resp: 974301

Ion Ratio Lower Upper

106 100

91 209.0 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

1500000

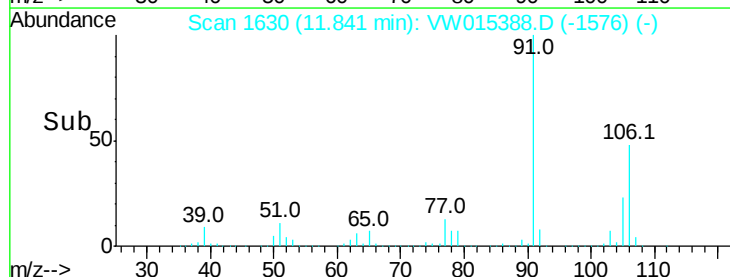
1000000

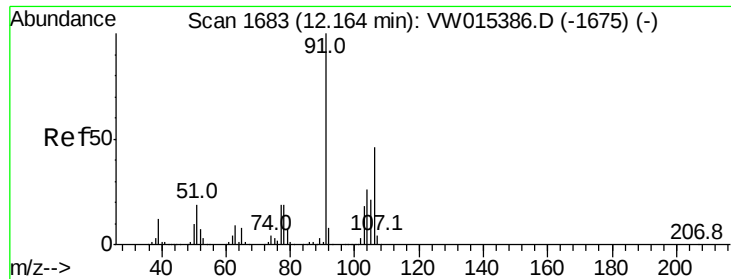
500000

0

Time-->

11.80 11.85 11.90

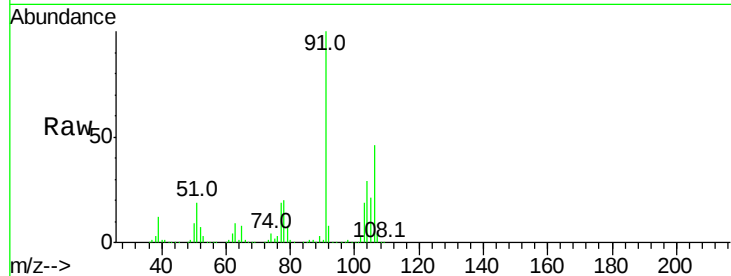




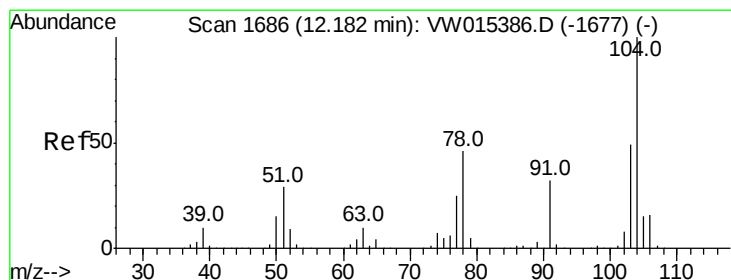
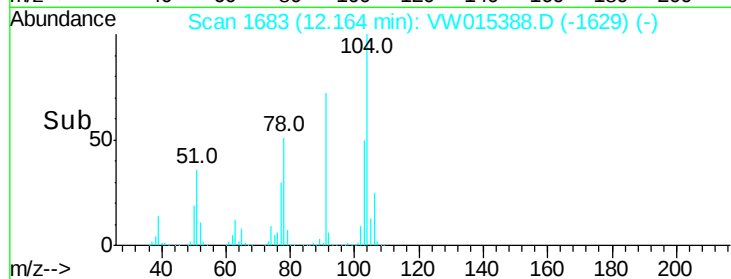
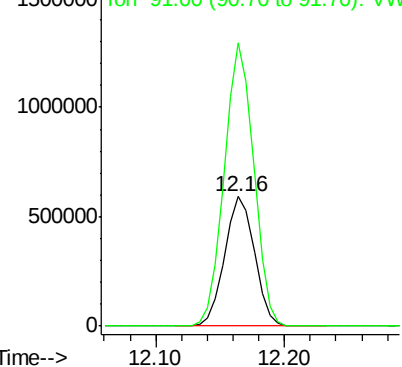
#55
o-xylene
Concen: 101.334 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

Tgt Ion:106 Resp: 948874
Ion Ratio Lower Upper
106 100
91 218.7 152.3 282.9

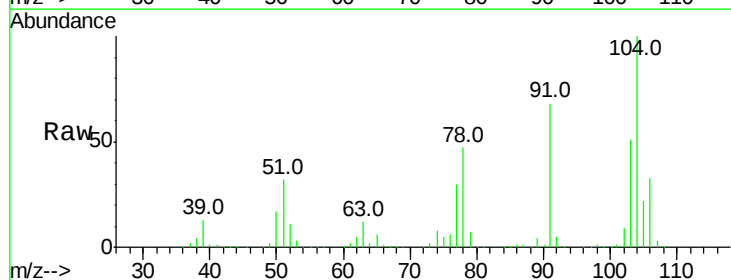


Abundance Ion 106.00 (105.70 to 106.70): V
1500000 Ion 91.00 (90.70 to 91.70): VW

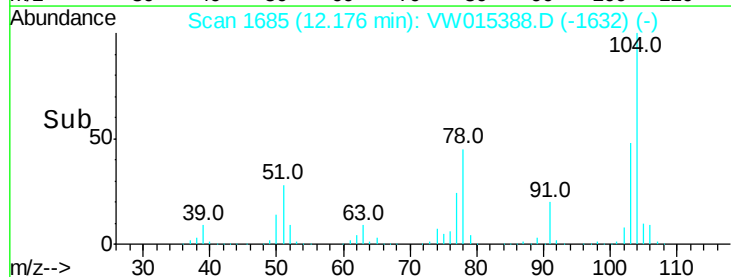
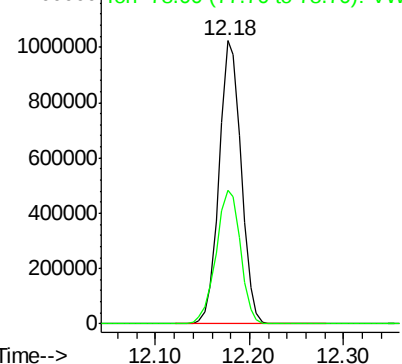


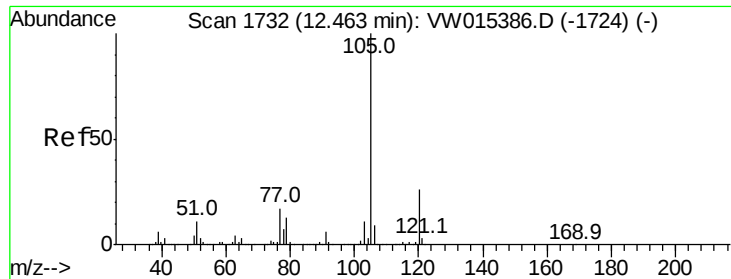
#56
Styrene
Concen: 105.283 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015388.D
Acq: 04 May 2020 15:40

Tgt Ion:104 Resp: 1655120
Ion Ratio Lower Upper
104 100
78 47.4 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V
1200000 Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 100.901 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

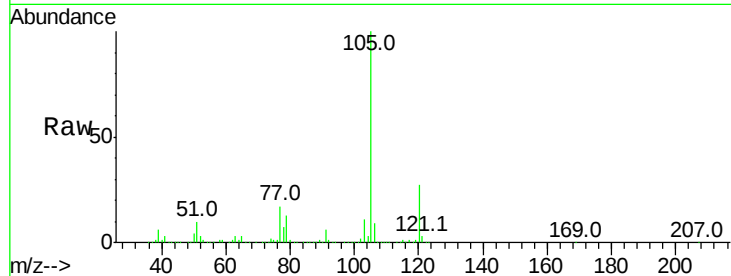
Tgt Ion:105 Resp: 2572581

Ion Ratio Lower Upper

105 100

120 26.4 20.5 30.7

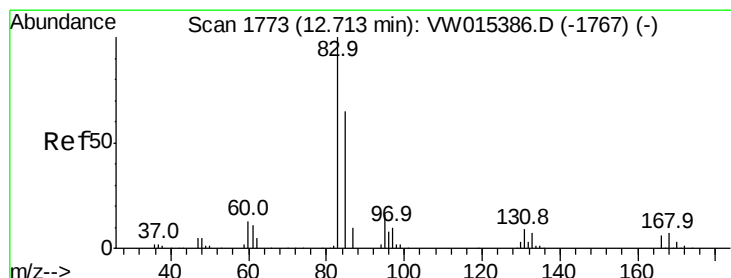
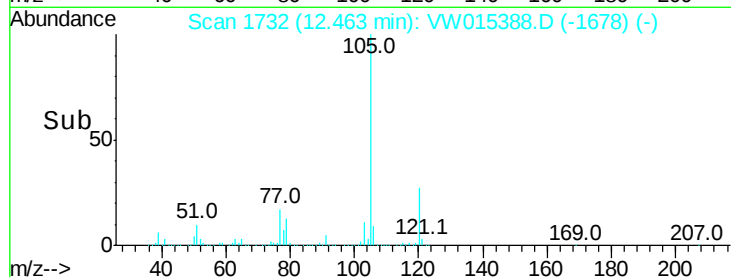
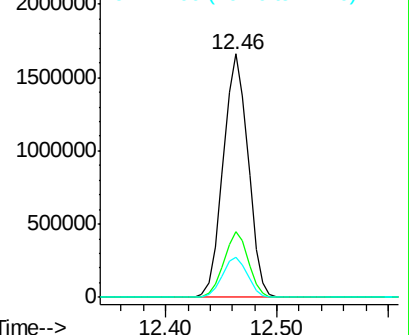
77 16.6 13.3 19.9



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: 110.466 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

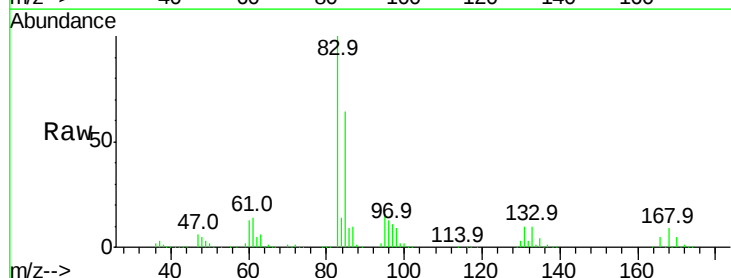
Tgt Ion: 83 Resp: 439596

Ion Ratio Lower Upper

83 100

85 63.9 46.3 86.1

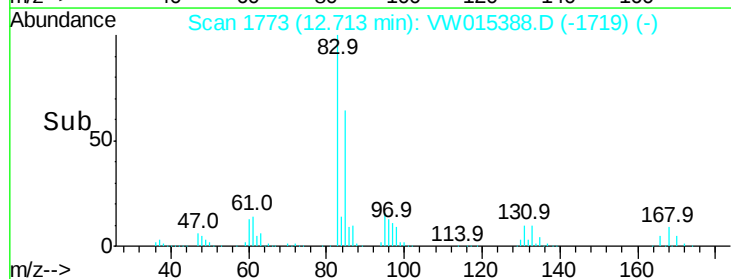
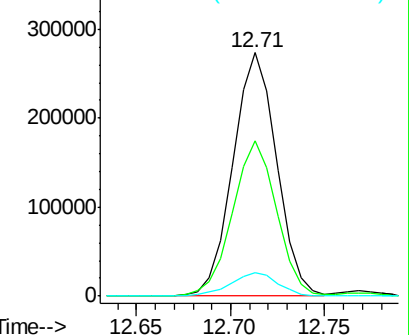
131 9.8 7.9 11.9

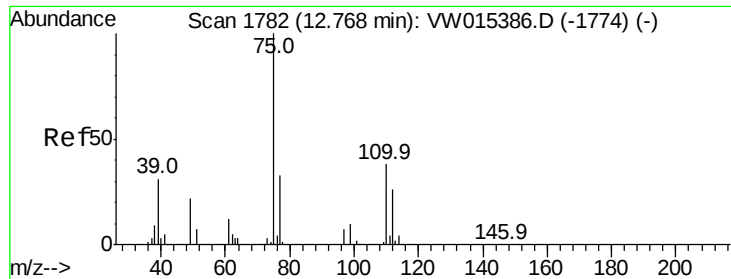


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 111.682 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

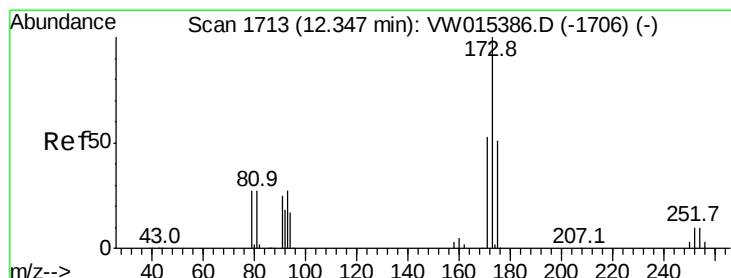
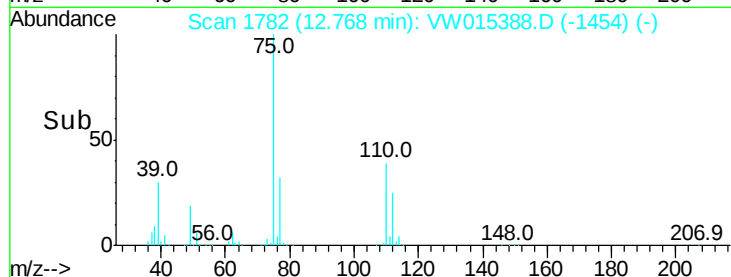
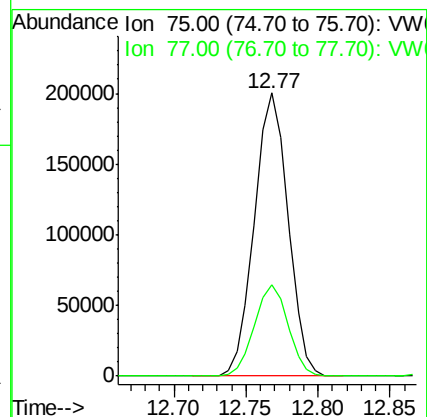
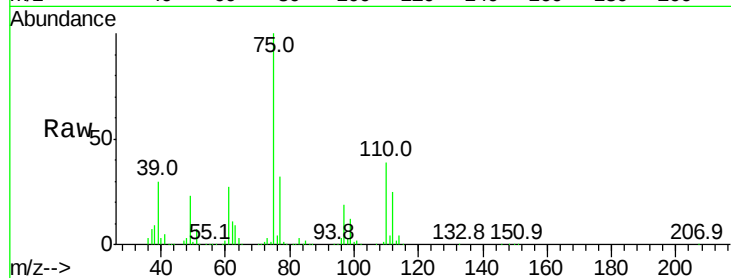
VSTD10006

Tgt Ion: 75 Resp: 324120

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 93.987 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

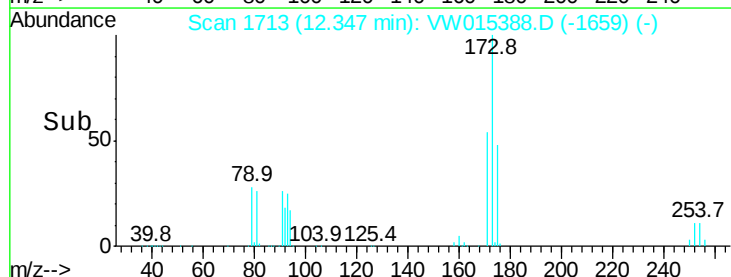
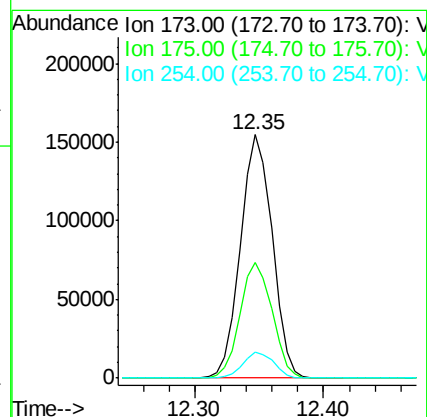
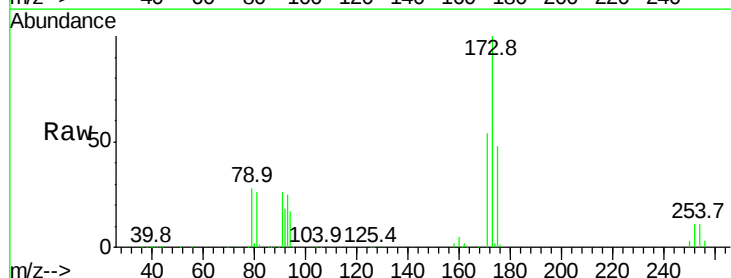
Tgt Ion: 173 Resp: 264444

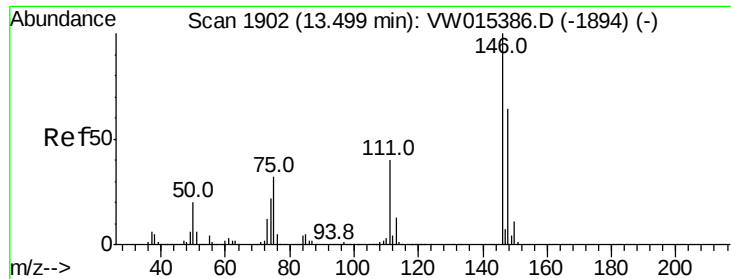
Ion Ratio Lower Upper

173 100

175 48.0 40.7 61.1

254 10.3 7.6 11.4

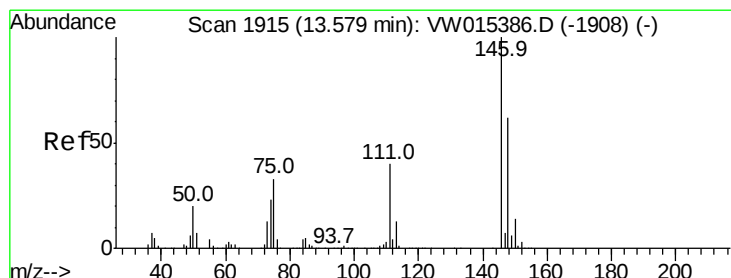
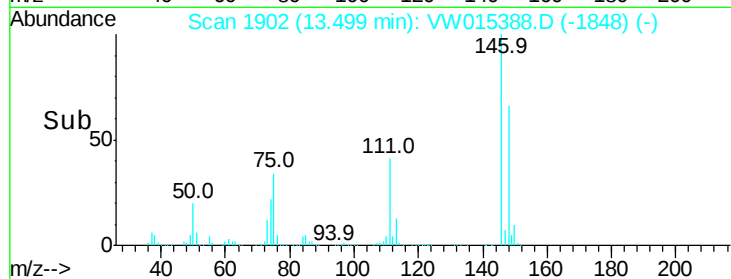
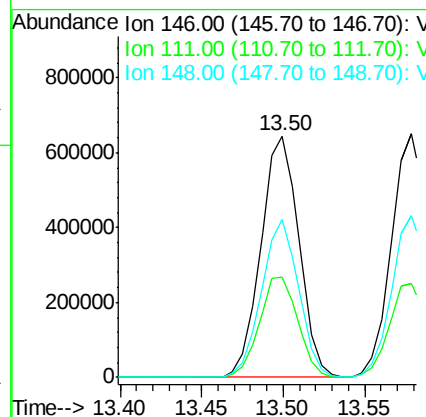
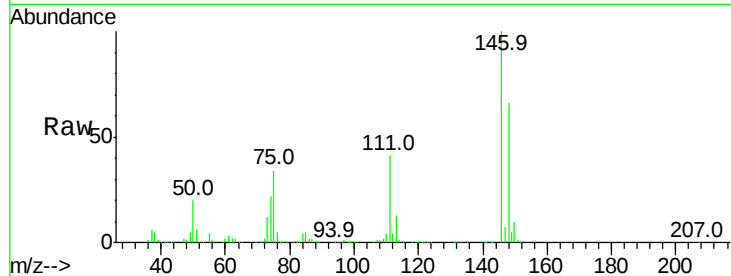




#63
 1,3-Dichlorobenzene
 Concen: 96.054 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

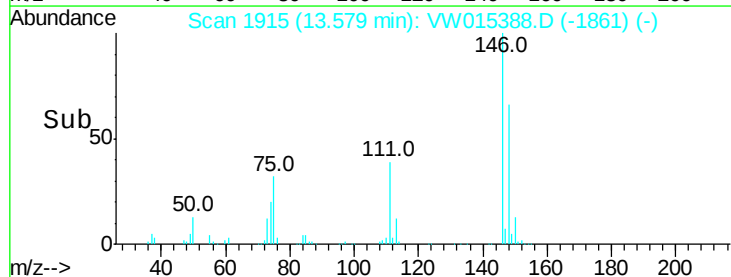
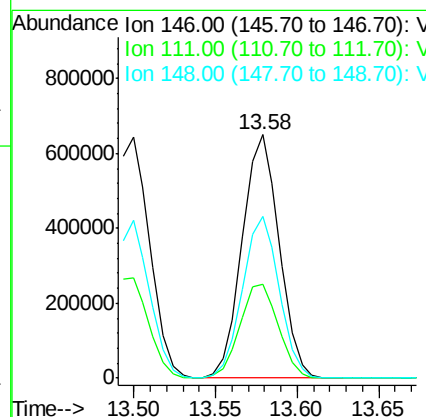
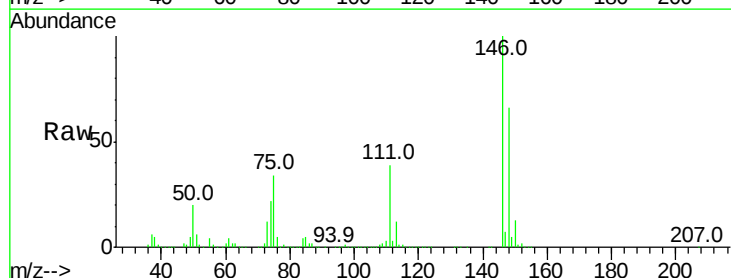
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

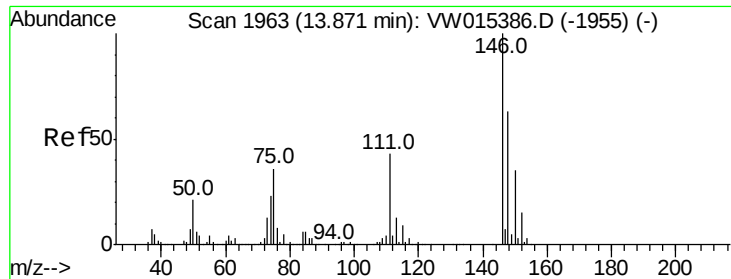
Tgt Ion:146 Resp: 1044999
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.9 51.9
 148 65.6 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 95.544 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

Tgt Ion:146 Resp: 1028366
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.2 52.4
 148 66.3 43.8 81.3

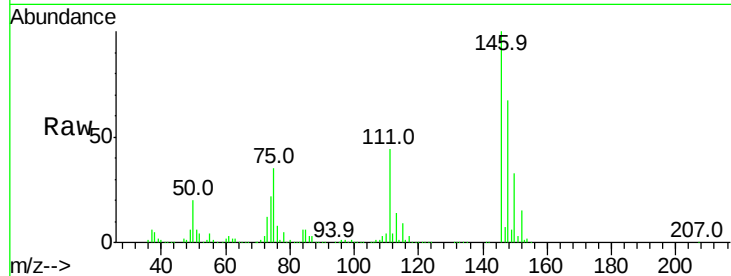




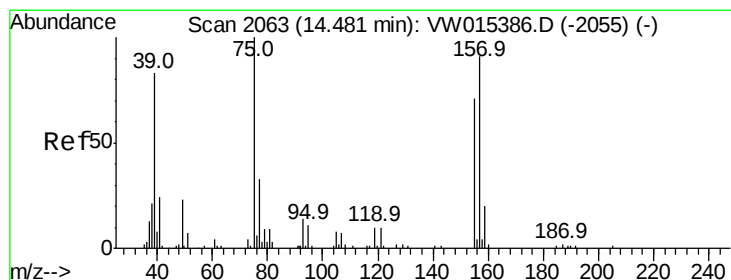
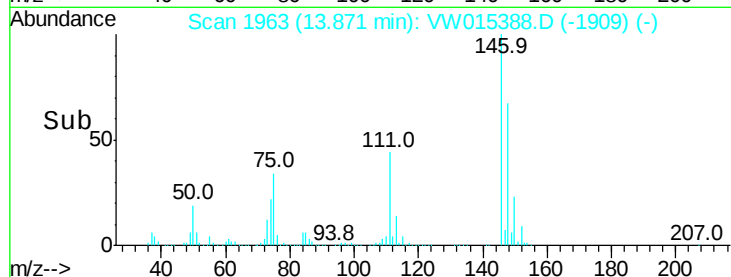
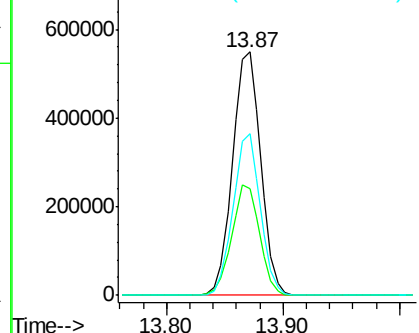
#65
 1,2-Dichlorobenzene
 Concen: 94.313 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

Tgt Ion:146 Resp: 921121
 Ion Ratio Lower Upper
 146 100
 111 43.9 34.3 51.5
 148 66.6 50.6 75.8

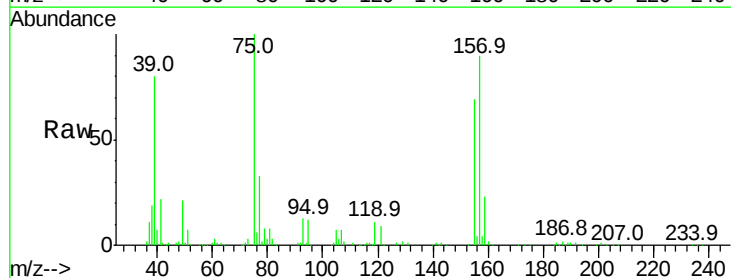


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

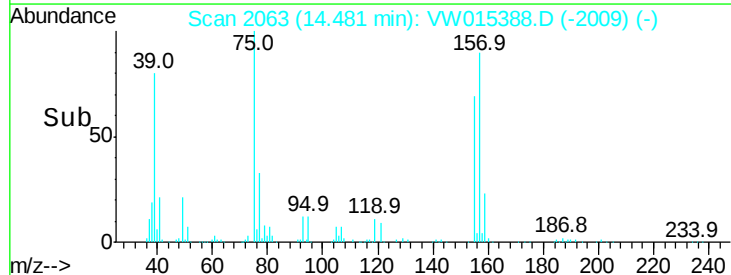
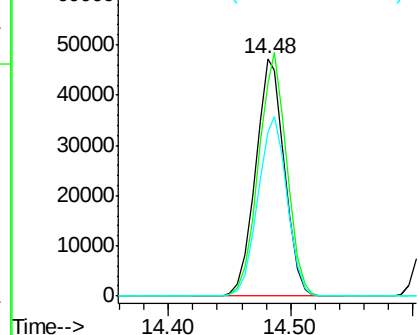


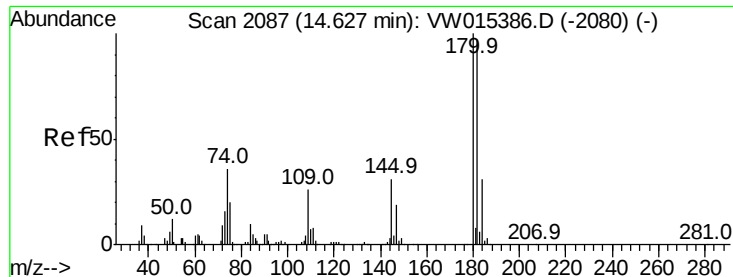
#66
 1,2-Dibromo-3-chloropropane
 Concen: 120.898 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

Tgt Ion: 75 Resp: 77254
 Ion Ratio Lower Upper
 75 100
 157 89.6 72.7 109.1
 155 69.3 56.7 85.1



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

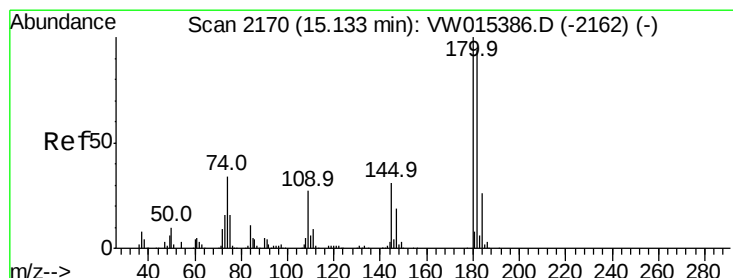
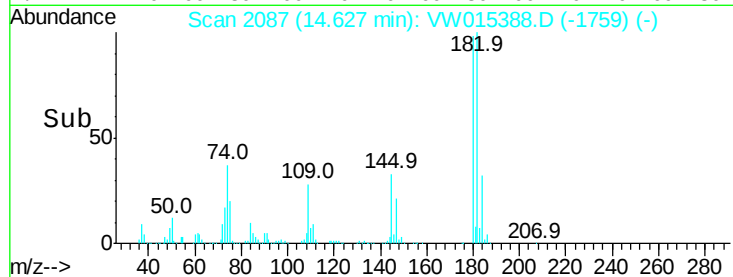
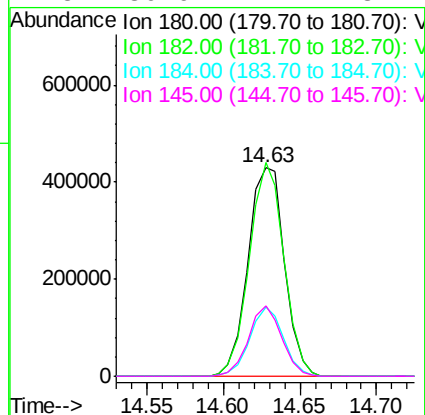
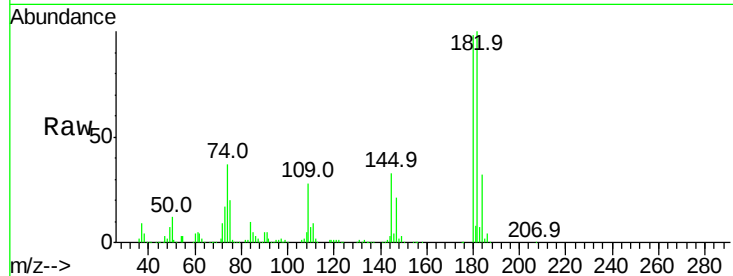




#67
 1,3,5-Trichlorobenzene
 Concen: 84.754 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

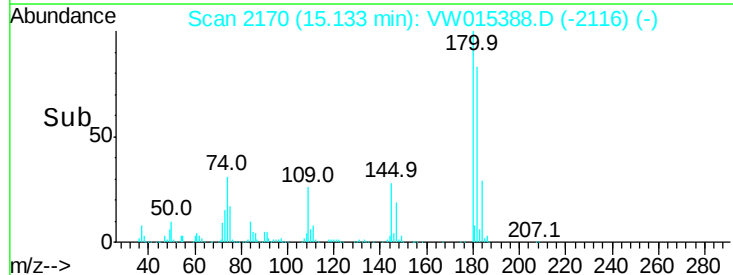
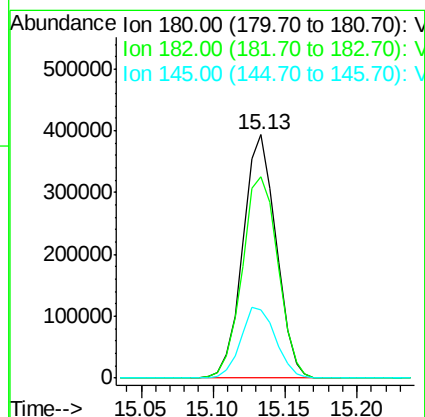
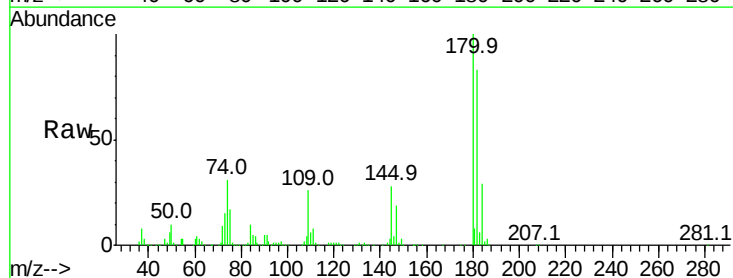
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

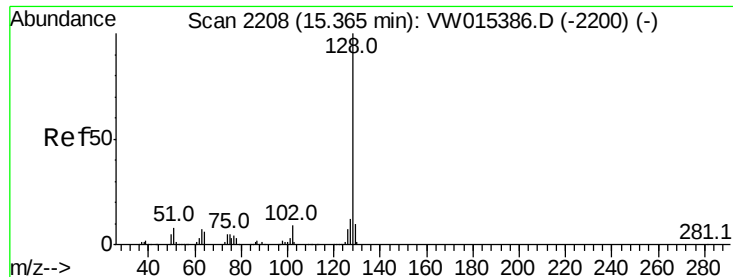
Tgt Ion:	180	Resp:	712793
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	30.7	24.7	37.1
145	30.9	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 91.037 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015388.D
 Acq: 04 May 2020 15:40

Tgt Ion:	180	Resp:	629259
Ion	Ratio	Lower	Upper
180	100		
182	88.8	77.9	116.9
145	30.4	26.5	39.7





#69

Naphthalene

Concen: 104.993 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

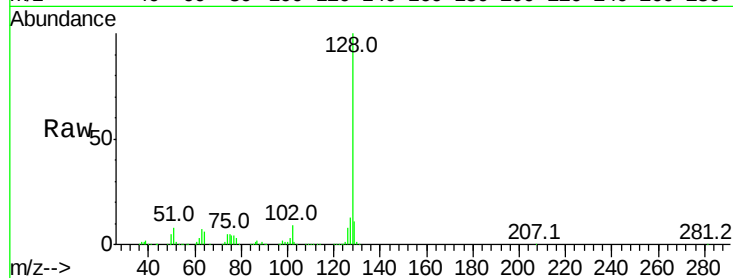
Tgt Ion:128 Resp: 1213300

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

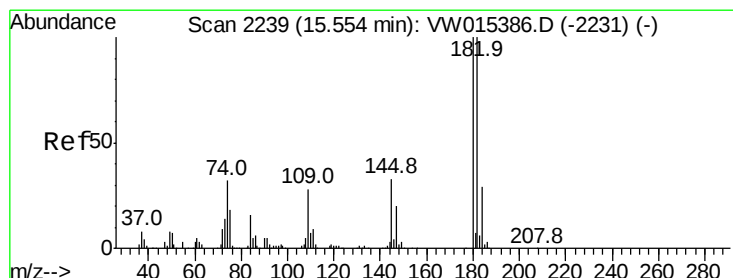
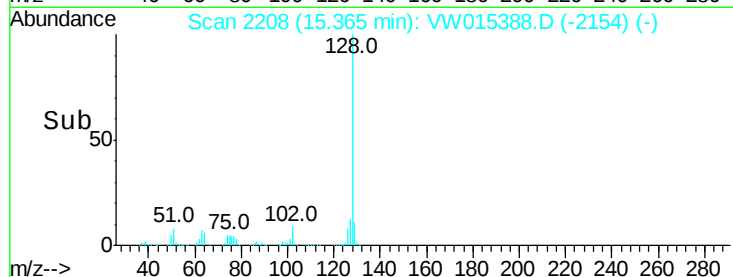
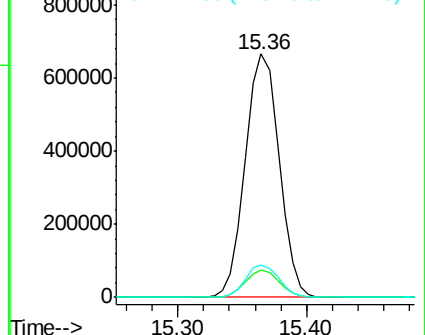
127 13.2 10.3 15.5



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: 91.030 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015388.D

Acq: 04 May 2020 15:40

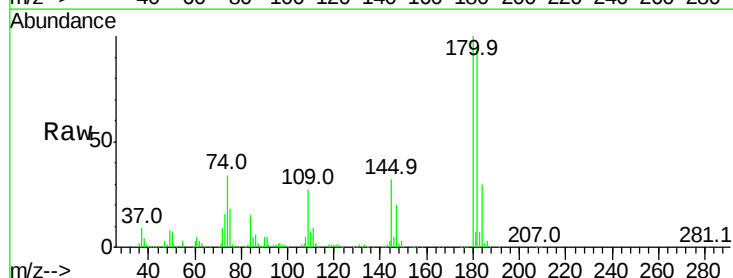
Tgt Ion:180 Resp: 543349

Ion Ratio Lower Upper

180 100

182 94.4 75.7 113.5

145 32.6 26.6 39.8



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

