

Data File : VW015751.D
Acq On : 29 Jun 2020 09:44
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Quant Time: Jun 29 11:08:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 29 11:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	332546	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	297668	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	140668	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	17075	5.60	ug/L	0.00
7) Chloroethane-d5	2.89	69	14430	4.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	27973	3.77	ug/L	0.00
20) 2-Butanone-d5	7.09	46	7178	7.21	ug/L	0.00
24) Chloroform-d	7.65	84	27746	3.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	16522	3.86	ug/L	0.00
29) Benzene-d6	8.27	84	53445	3.66	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	16066	3.62	ug/L	0.00
37) Toluene-d8	10.32	98	48179	3.39	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6567	3.20	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4918	6.40	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12254	3.67	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	16159	3.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	6330	2.155 ug/L #	83
3) Chloromethane	2.21	50	9124	2.821 ug/L	100
5) Vinyl chloride	2.36	62	11804	2.427 ug/L	97
6) Bromomethane	2.79	94	8109	2.565 ug/L	99
8) Chloroethane	2.93	64	7230	2.442 ug/L	94
9) Trichlorofluoromethane	3.27	101	7166	2.070 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	7939	1.934 ug/L	96
12) 1,1-Dichloroethene	4.04	96	8467	2.135 ug/L	88
13) Acetone	4.14	43	5802	7.543 ug/L	78
14) Carbon disulfide	4.38	76	26453	2.000 ug/L	97
15) Methyl Acetate	4.68	43	4206	2.528 ug/L #	81
16) Methylene chloride	4.92	84	14872	3.644 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	13573	2.157 ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	8919	2.099 ug/L	97
19) 1,1-Dichloroethane	6.21	63	16633	2.176 ug/L	94
21) 2-Butanone	7.18	43	6088	5.152 ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	8954	2.020 ug/L	95
23) Bromochloromethane	7.52	128	4024	2.105 ug/L	97
25) Chloroform	7.68	83	16241	2.110 ug/L	96
27) 1,2-Dichloroethane	8.40	62	11755	2.258 ug/L	99
30) Cyclohexane	7.95	56	14256	1.937 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	14431	2.167 ug/L	98
32) Carbon tetrachloride	8.07	117	12690	2.078 ug/L	96
34) Benzene	8.32	78	36461	2.190 ug/L	100
35) Trichloroethene	9.09	95	9777	2.187 ug/L	99
36) Methylcyclohexane	9.34	83	15871	1.990 ug/L	99
40) 1,2-Dichloropropane	9.37	63	8880	2.166 ug/L	98
41) Bromodichloromethane	9.65	83	10883	1.987 ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	12874	1.962 ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	10661	4.437 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Mon Jun 29 11:07:30 2020
Response via : Initial Calibration

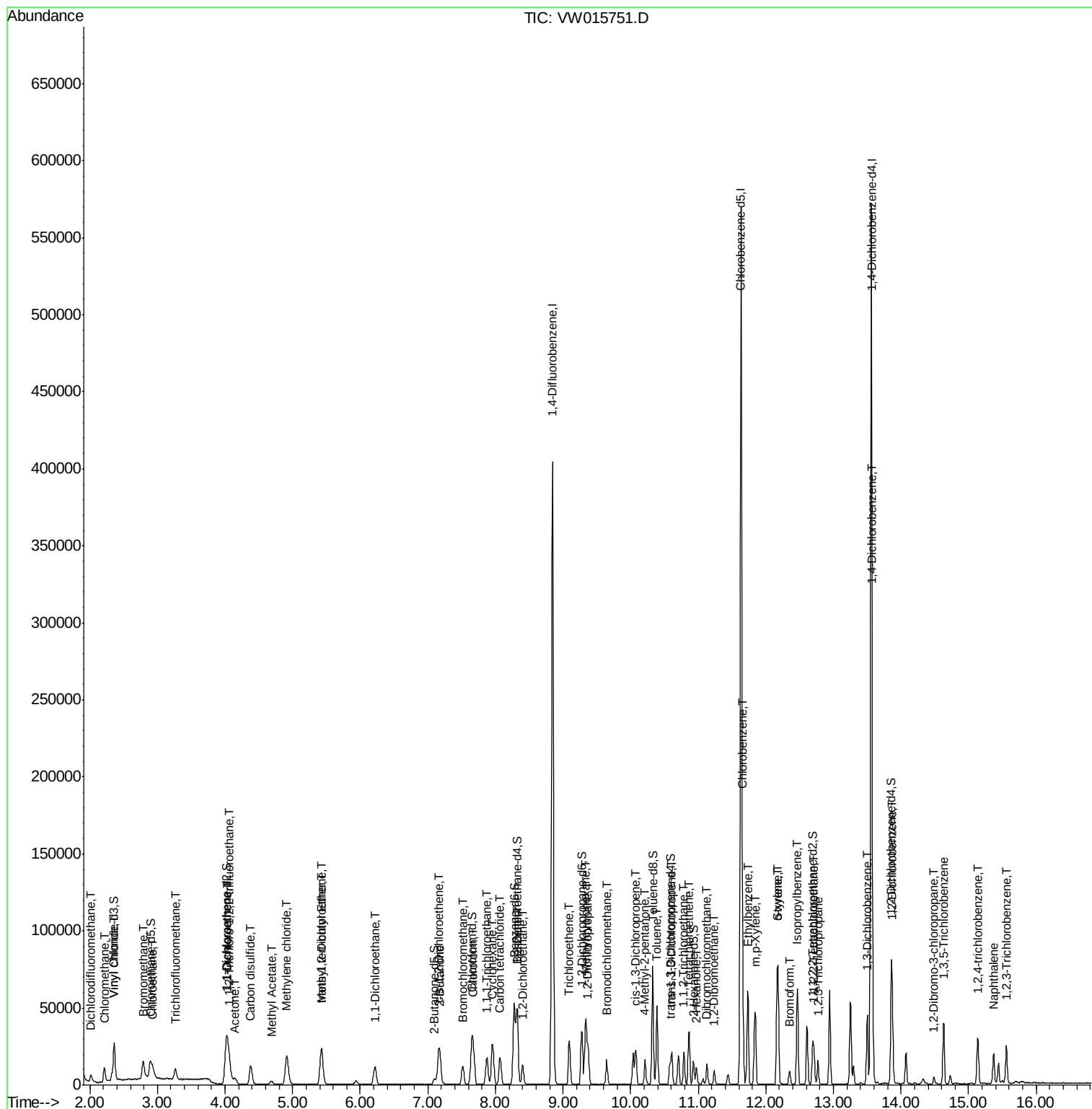
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	36774	2.028	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	10731	1.880	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	6398	2.231	ug/L	95
47) Tetrachloroethene	10.87	164	7798	2.200	ug/L	94
49) 2-Hexanone	10.98	43	7282	4.490	ug/L	95
50) Dibromochloromethane	11.13	129	7047	2.022	ug/L	97
51) 1,2-Dibromoethane	11.24	107	6252	2.271	ug/L	99
52) Chlorobenzene	11.66	112	24167	2.124	ug/L	97
53) Ethylbenzene	11.73	91	40690	1.954	ug/L	97
54) m,p-Xylene	11.84	106	14792	1.893	ug/L	94
55) o-xylene	12.17	106	14186	1.913	ug/L	95
56) Styrene	12.18	104	22938	1.810	ug/L	99
57) Isopropylbenzene	12.46	105	38396	1.858	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	7621	2.295	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	6029	2.395	ug/L	100
62) Bromoform	12.35	173	3562	1.817	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	17792	2.067	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	18213	2.159	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	15287	2.044	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1214	2.139	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	11720	1.967	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	9065	1.889	ug/L	100
69) Naphthalene	15.37	128	15986	1.834	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	8028	1.966	ug/L	97

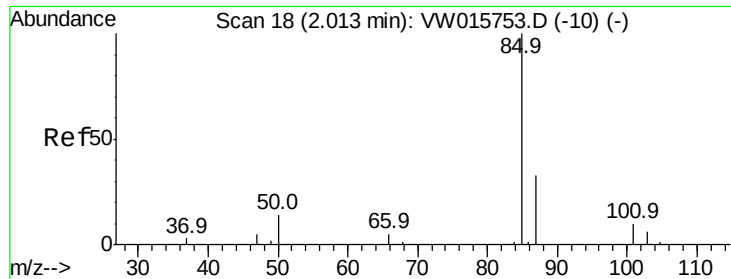
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.155 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

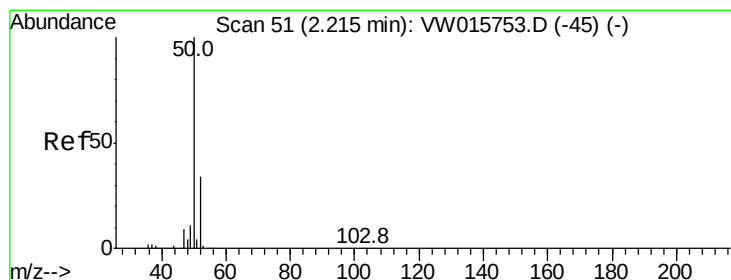
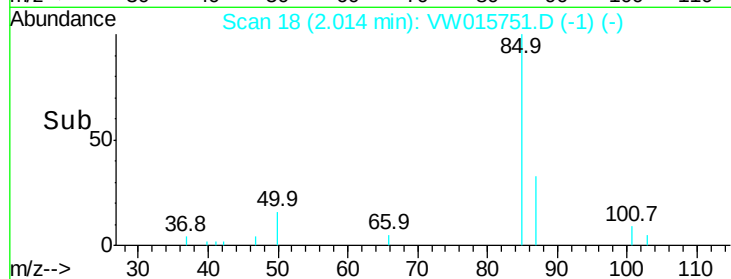
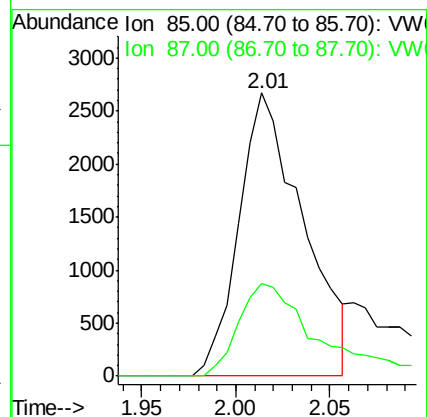
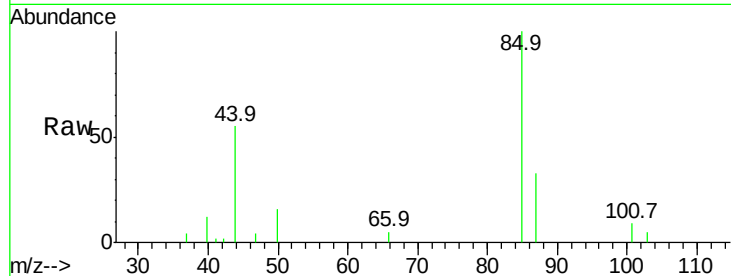
VSTD2.504

Tgt Ion: 85 Resp: 6330

Ion Ratio Lower Upper

85 100

87 39.2 21.1 39.1#



#3

Chloromethane

Concen: 2.821 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015751.D

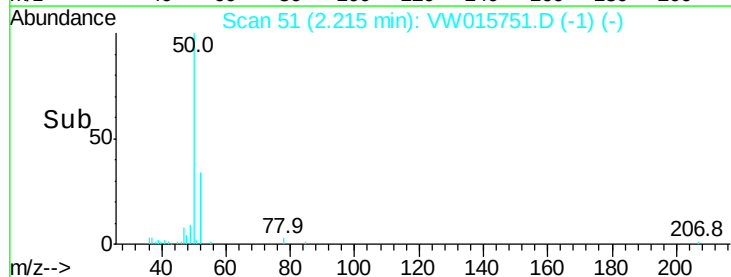
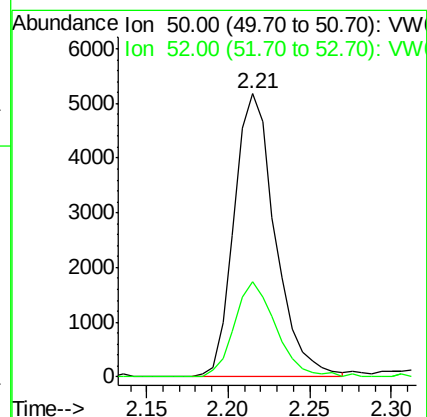
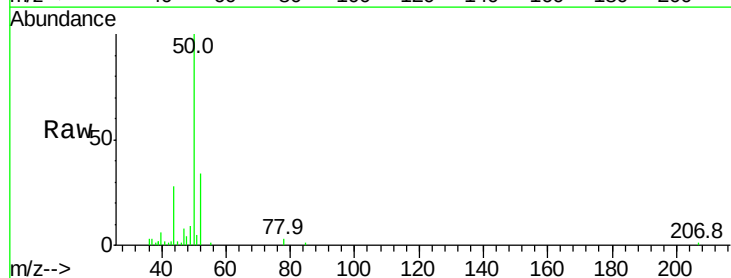
Acq: 29 Jun 2020 09:44

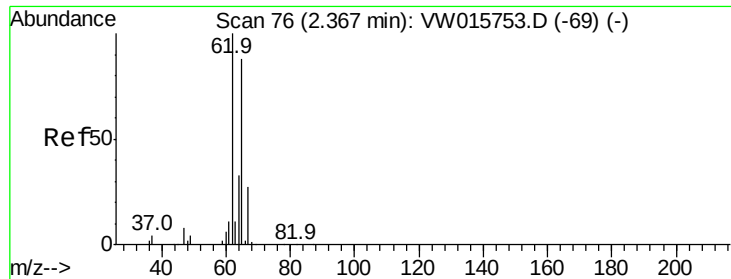
Tgt Ion: 50 Resp: 9124

Ion Ratio Lower Upper

50 100

52 33.8 23.7 44.1





#5

Vinyl chloride

Concen: 2.427 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

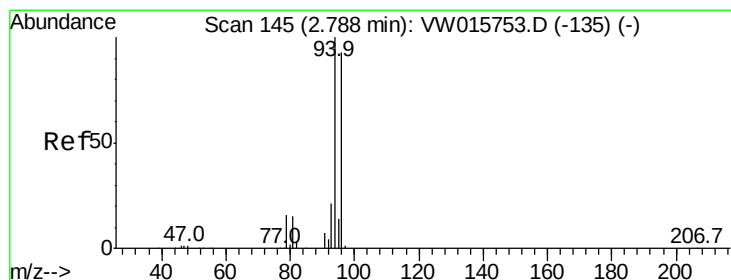
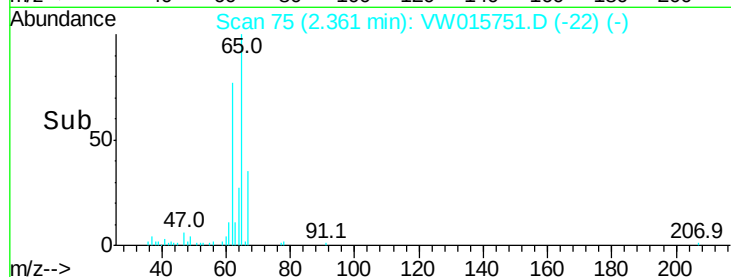
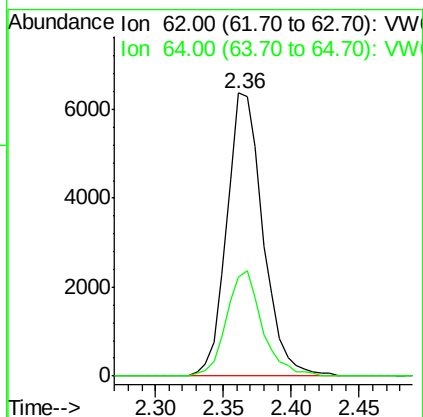
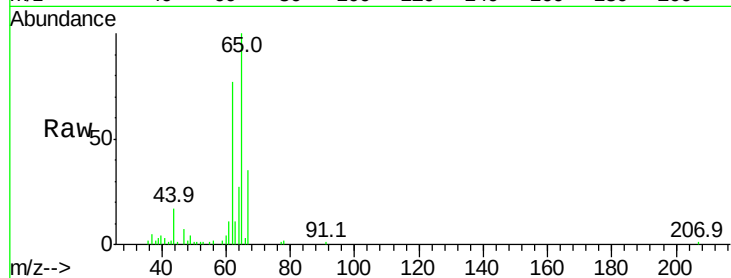
VSTD2.504

Tgt Ion: 62 Resp: 11804

Ion Ratio Lower Upper

62 100

64 35.0 23.2 43.0



#6

Bromomethane

Concen: 2.565 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015751.D

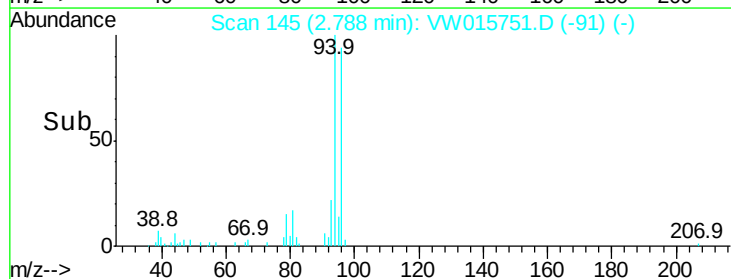
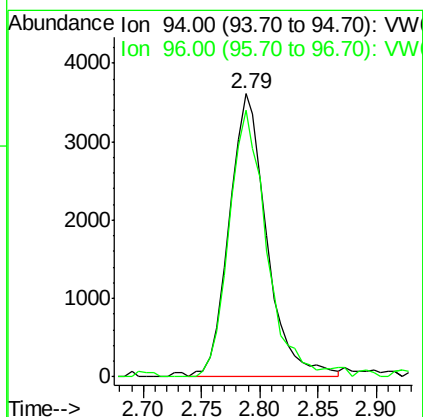
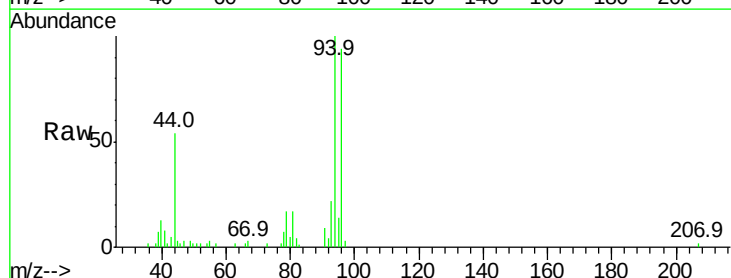
Acq: 29 Jun 2020 09:44

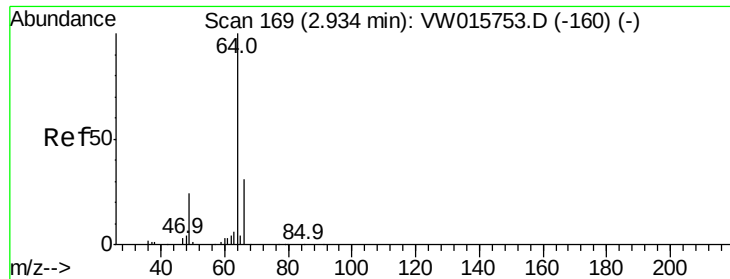
Tgt Ion: 94 Resp: 8109

Ion Ratio Lower Upper

94 100

96 93.2 9.4 179.2





#8

Chloroethane

Concen: 2.442 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

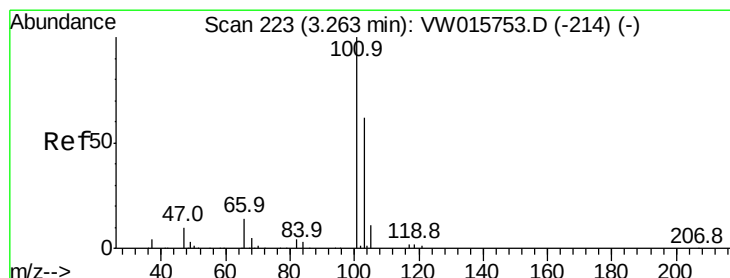
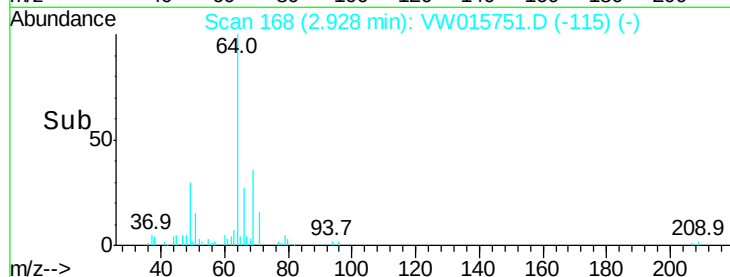
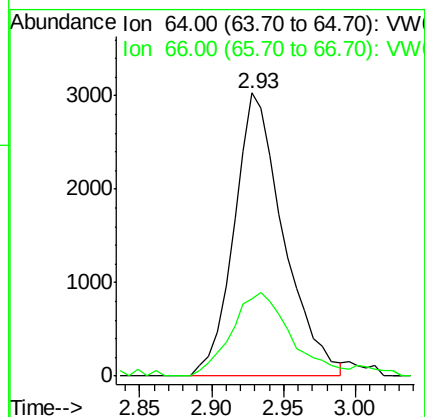
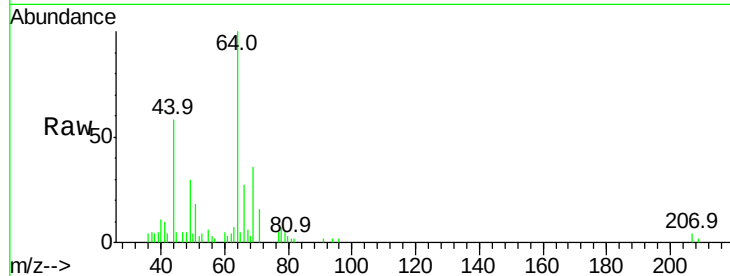
VSTD2.504

Tgt Ion: 64 Resp: 7230

Ion Ratio Lower Upper

64 100

66 27.4 21.6 40.2



#9

Trichlorofluoromethane

Concen: 2.070 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015751.D

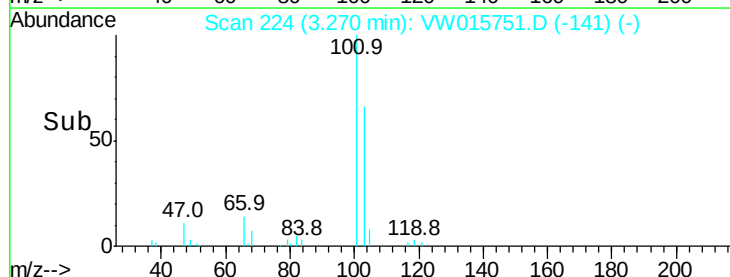
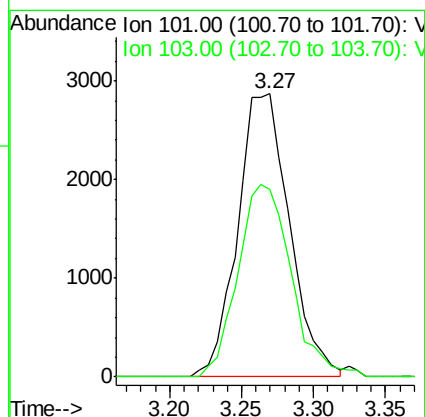
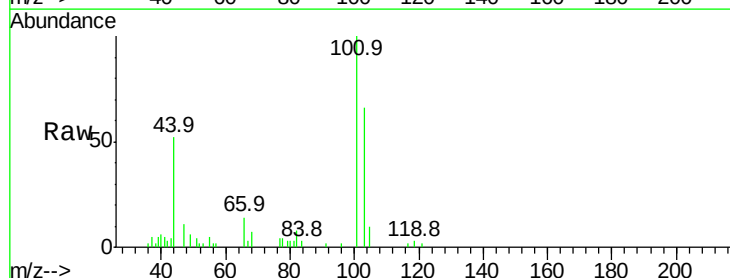
Acq: 29 Jun 2020 09:44

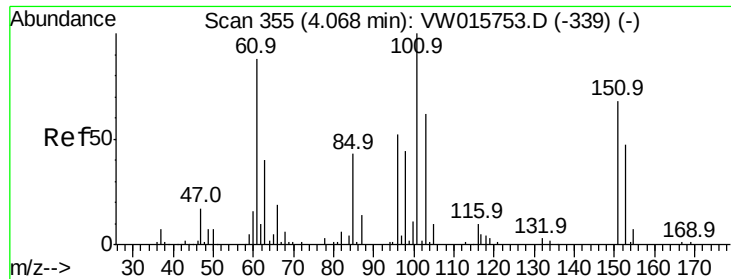
Tgt Ion: 101 Resp: 7166

Ion Ratio Lower Upper

101 100

103 69.8 44.4 82.4





#11

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

Concen: 1.934 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

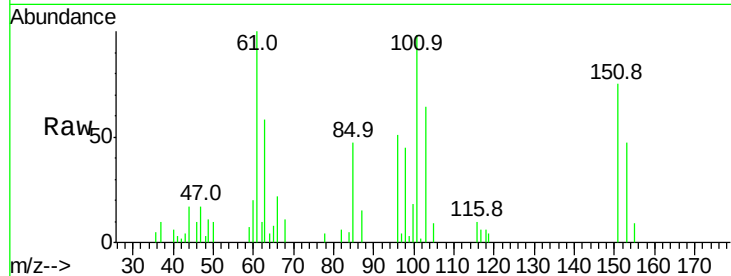
Tgt Ion:101 Resp: 7939

Ion Ratio Lower Upper

101 100

85 47.3 34.4 51.6

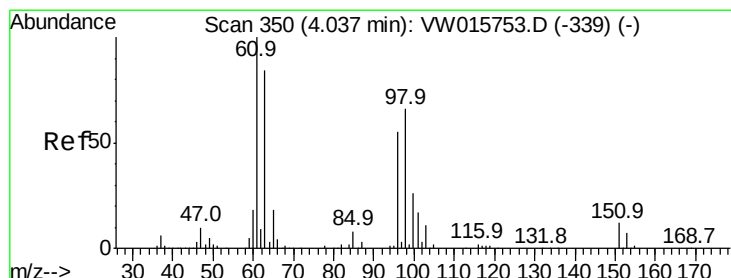
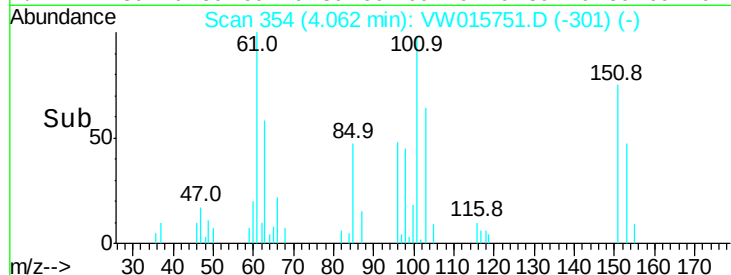
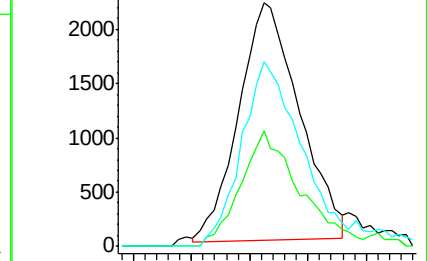
151 75.9 58.6 88.0



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: 2.135 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

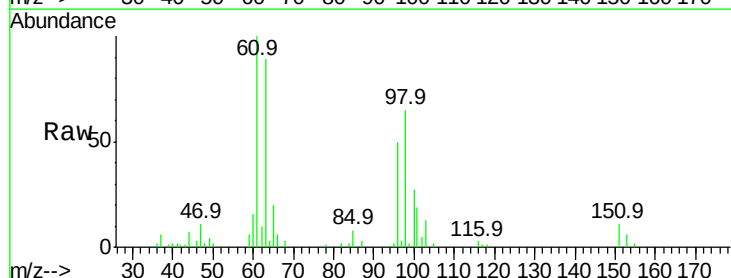
Tgt Ion: 96 Resp: 8467

Ion Ratio Lower Upper

96 100

61 199.2 128.0 237.6

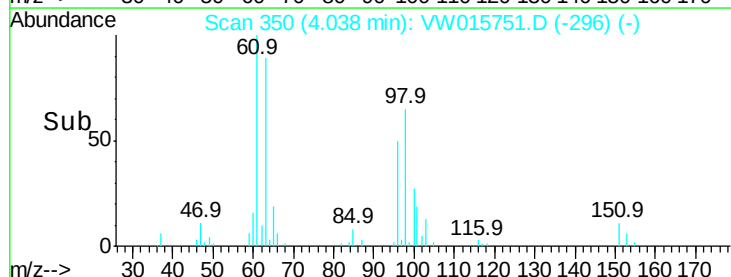
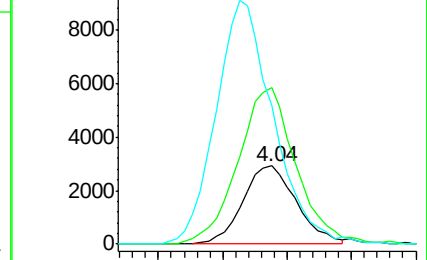
63 176.7 112.3 208.7

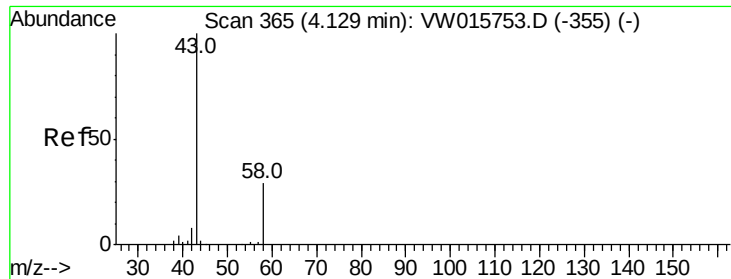


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 7.543 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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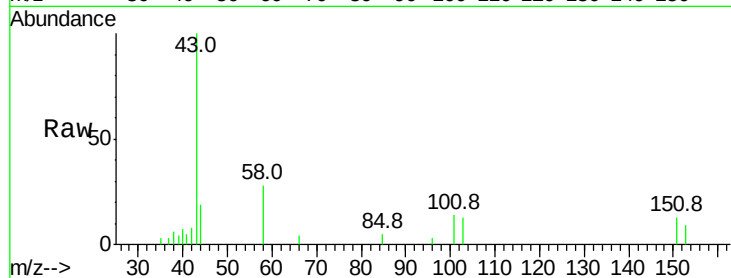
VSTD2.504

Tgt Ion: 43 Resp: 5802

Ion Ratio Lower Upper

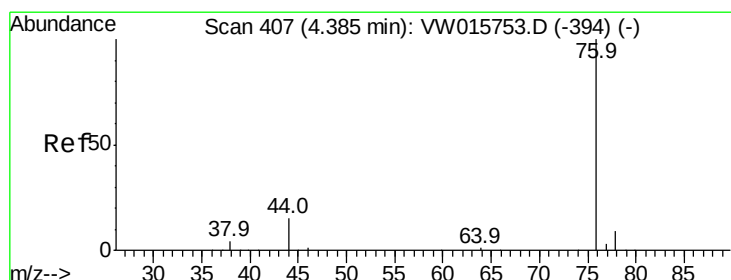
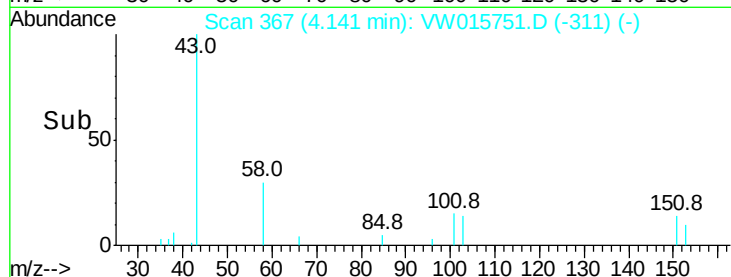
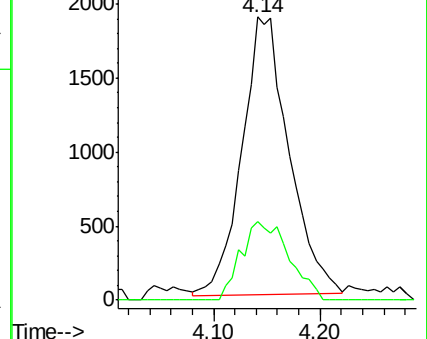
43 100

58 17.9 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 2.000 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015751.D

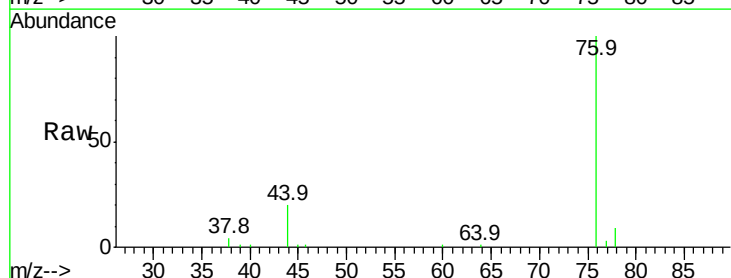
Acq: 29 Jun 2020 09:44

Tgt Ion: 76 Resp: 26453

Ion Ratio Lower Upper

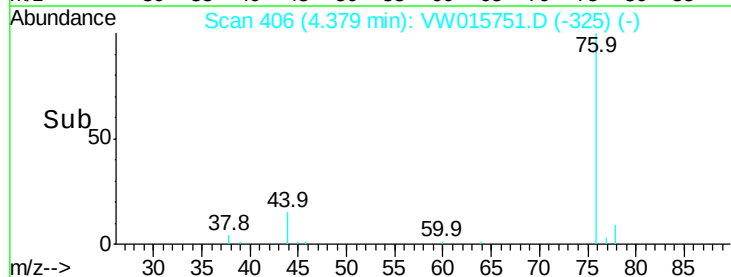
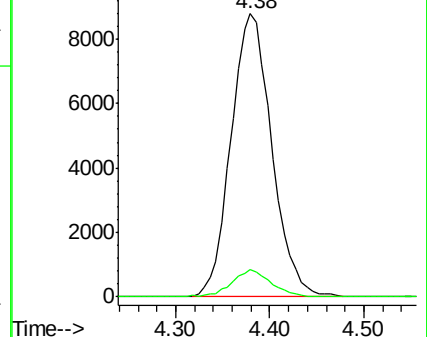
76 100

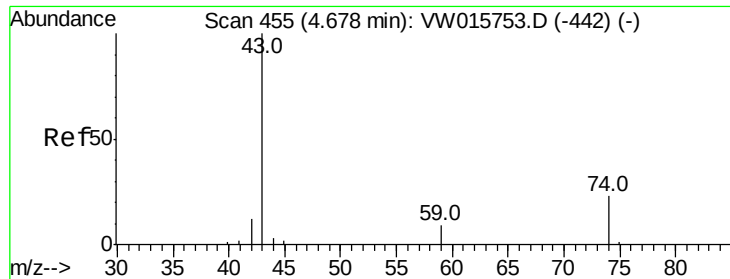
78 9.5 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

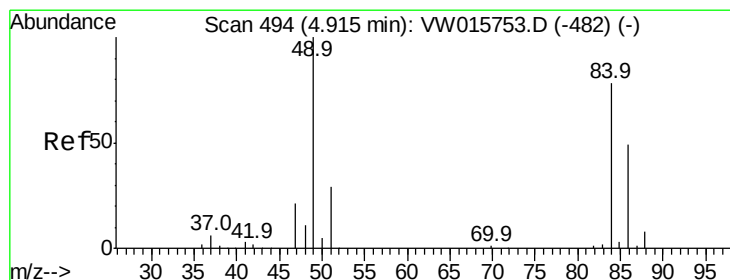
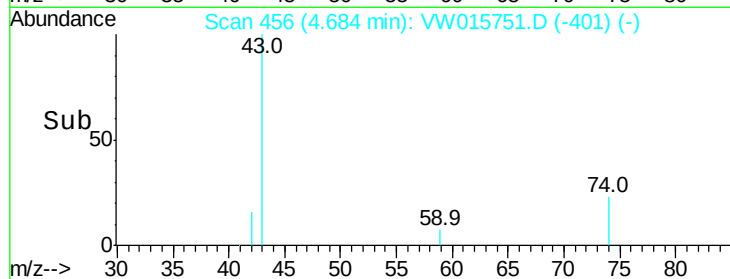
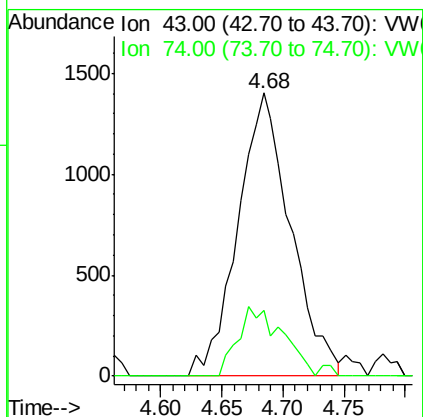
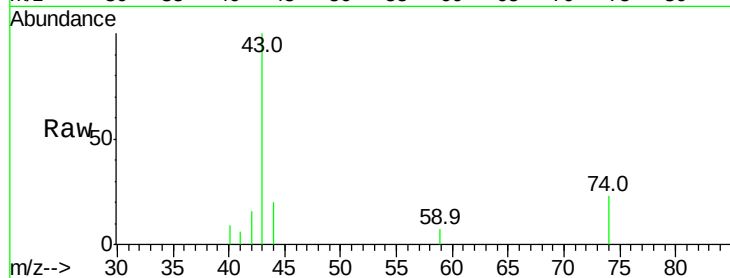




#15
Methyl Acetate
Concen: 2.528 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015751.D
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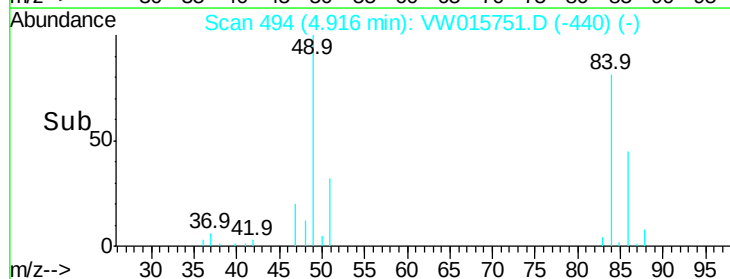
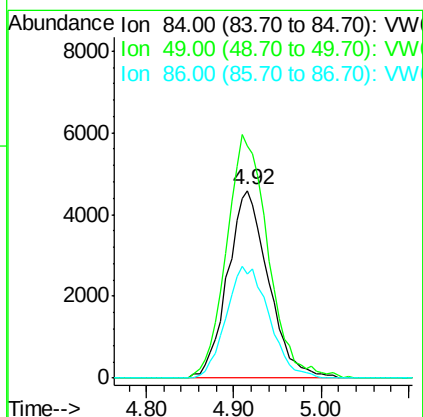
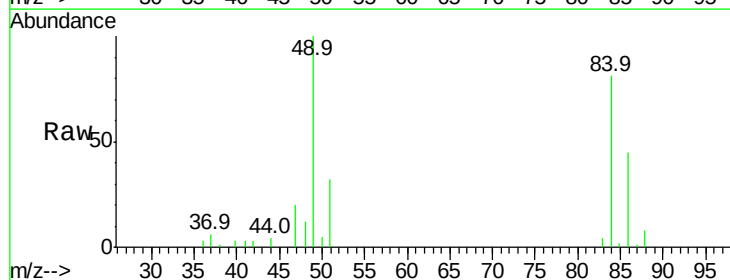
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

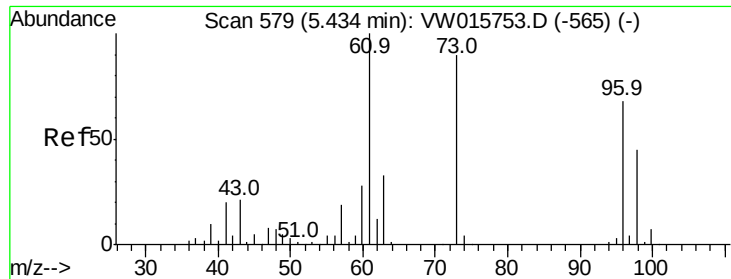
Tgt Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
74 13.9 18.4 27.6#



#16
Methylene chloride
Concen: 3.644 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion: 84 Resp: 14872
Ion Ratio Lower Upper
84 100
49 123.8 90.0 167.2
86 55.4 44.0 81.8

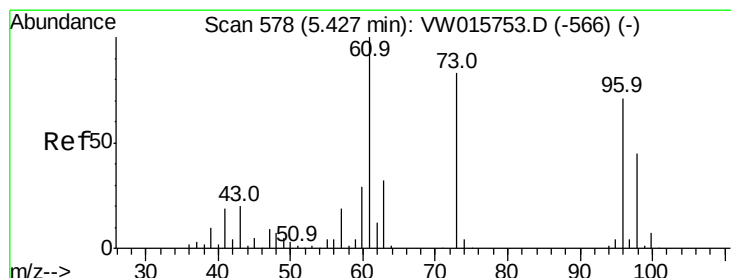
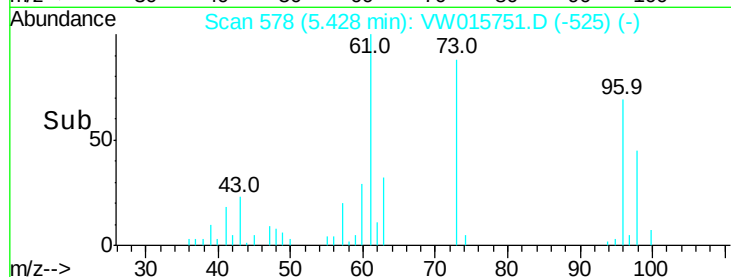
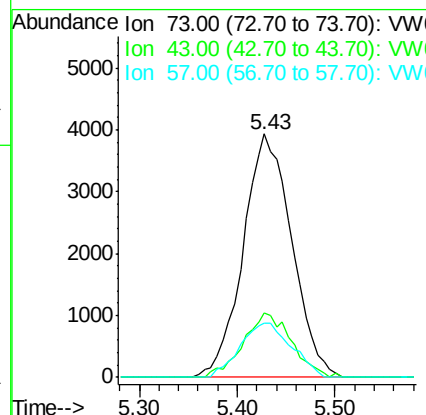
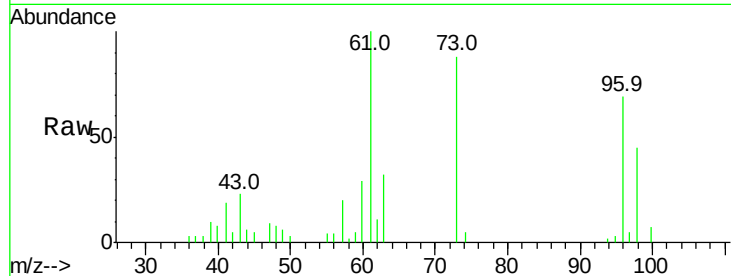




#17
Methyl tert-butyl Ether
Concen: 2.157 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

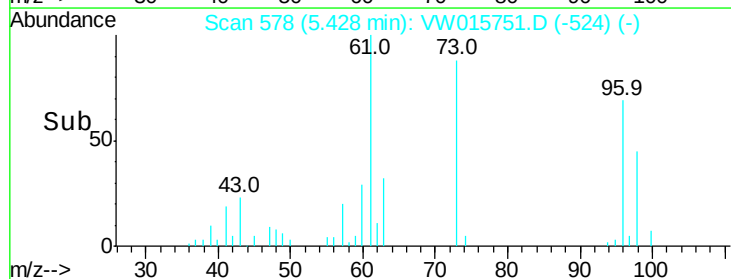
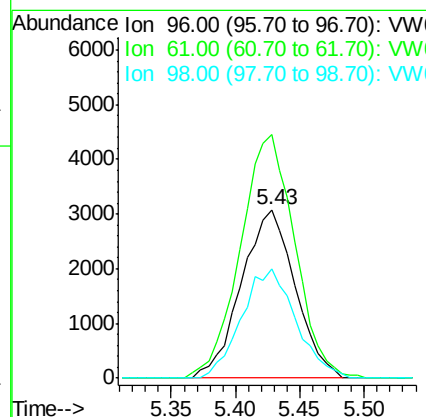
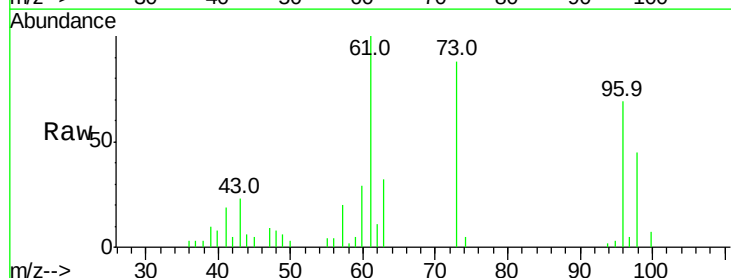
Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

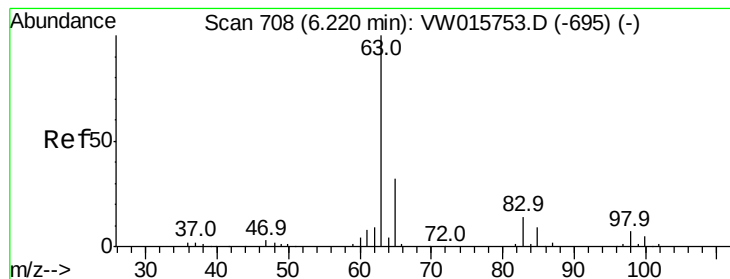
Tgt Ion: 73 Resp: 13573
Ion Ratio Lower Upper
73 100
43 25.9 19.0 28.4
57 23.5 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 2.099 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion: 96 Resp: 8919
Ion Ratio Lower Upper
96 100
61 144.4 98.5 182.9
98 64.9 44.4 82.4





#19

1,1-Dichloroethane

Concen: 2.176 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

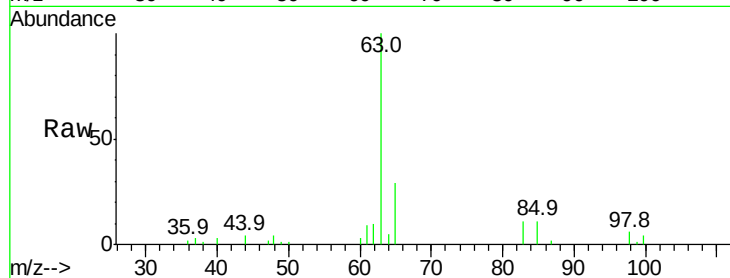
Tgt Ion: 63 Resp: 16633

Ion Ratio Lower Upper

63 100

65 28.6 22.3 41.3

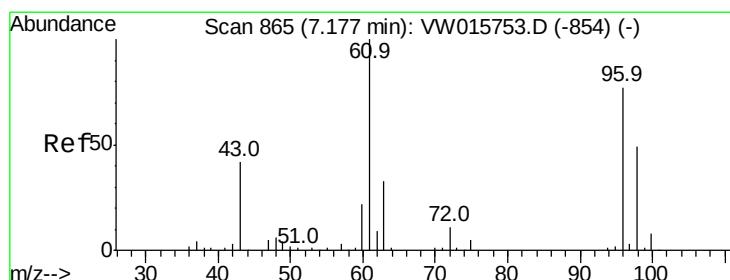
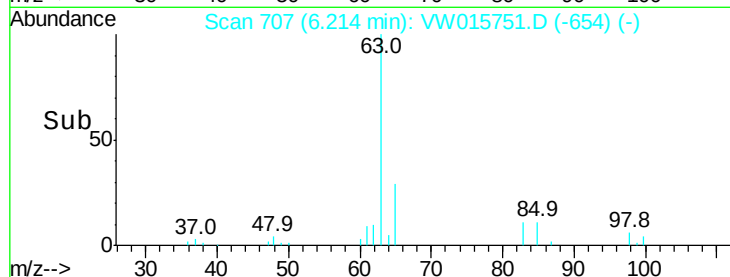
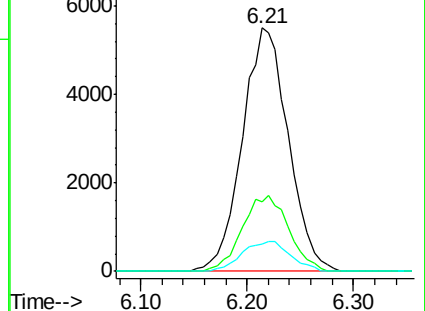
83 11.1 9.5 17.7



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: 5.152 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015751.D

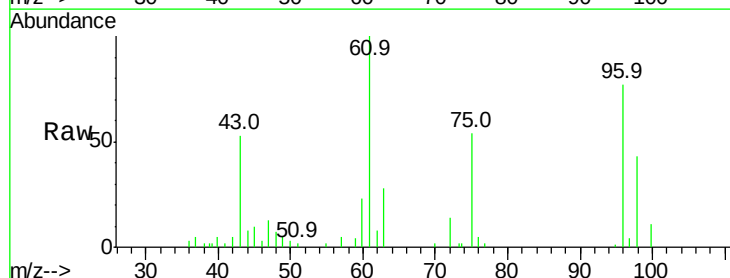
Acq: 29 Jun 2020 09:44

Tgt Ion: 43 Resp: 6088

Ion Ratio Lower Upper

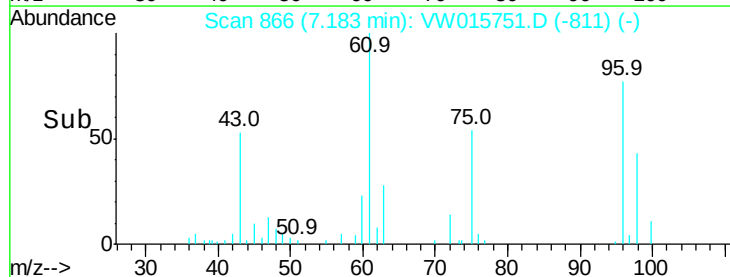
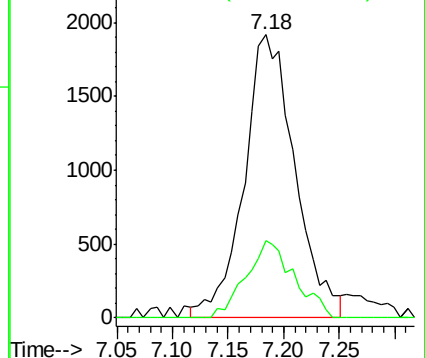
43 100

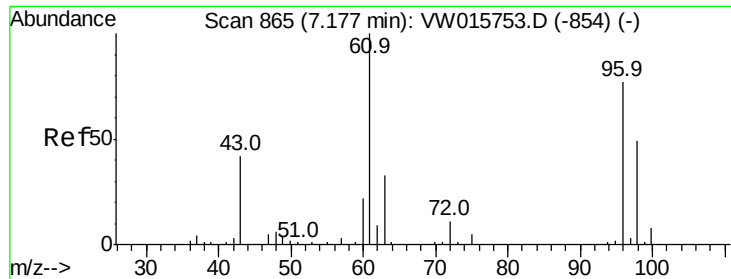
72 23.7 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



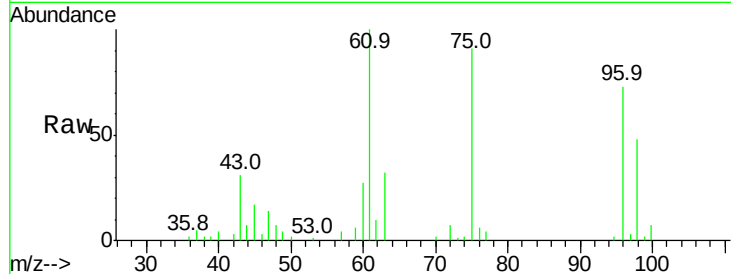


#22

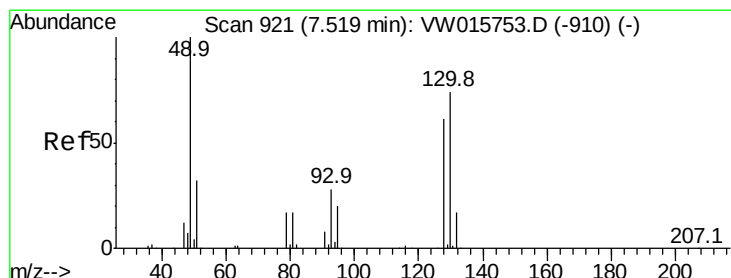
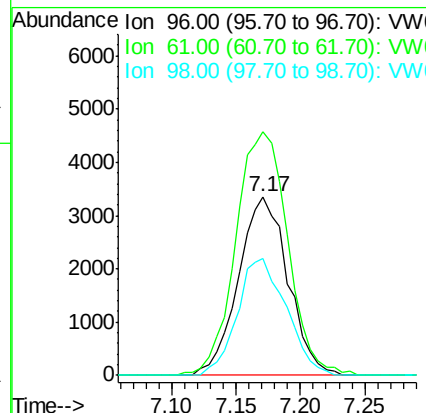
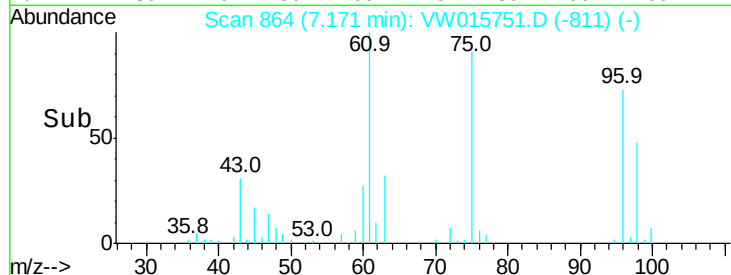
cis-1,2-Dichloroethene
Concen: 2.020 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Tgt Ion: 96 Resp: 8954
Ion Ratio Lower Upper
96 100
61 136.5 90.8 168.6
98 65.8 44.1 81.9



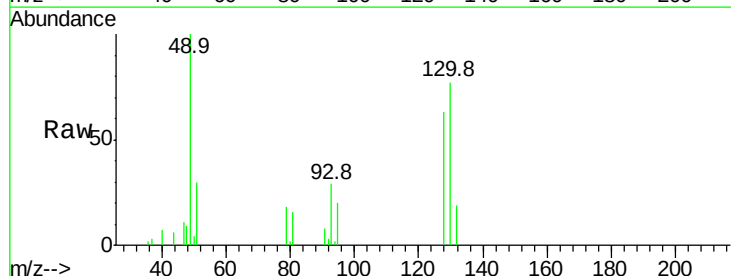
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



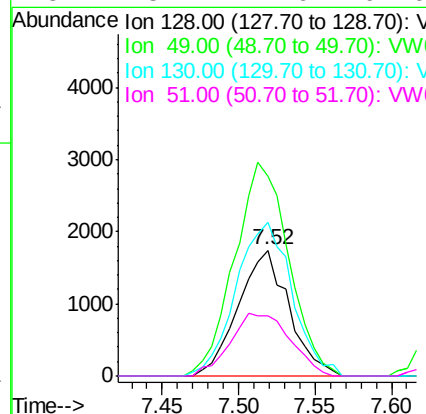
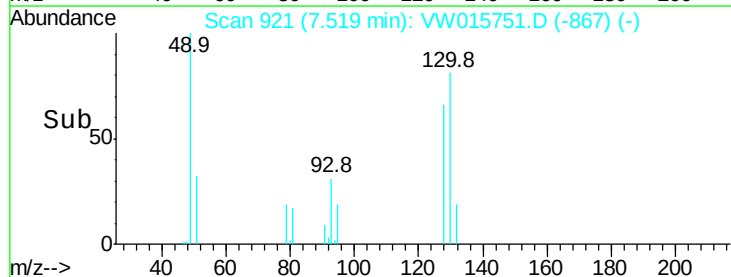
#23

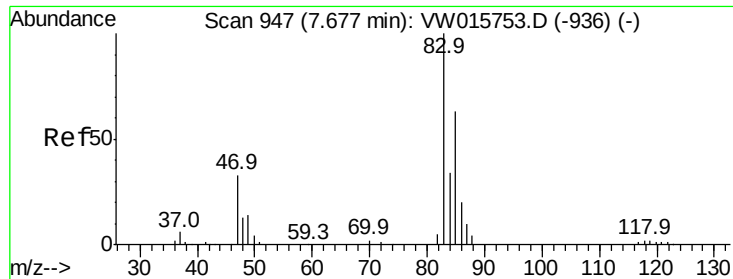
Bromochloromethane
Concen: 2.105 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion: 128 Resp: 4024
Ion Ratio Lower Upper
128 100
49 158.7 115.0 213.6
130 122.1 85.1 158.1
51 48.1 42.6 64.0



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

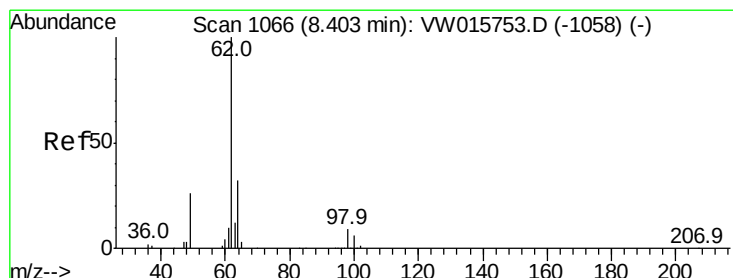
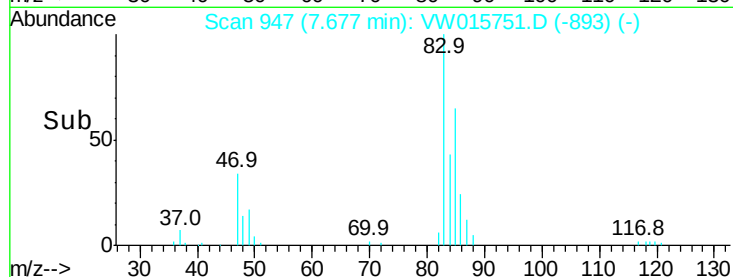
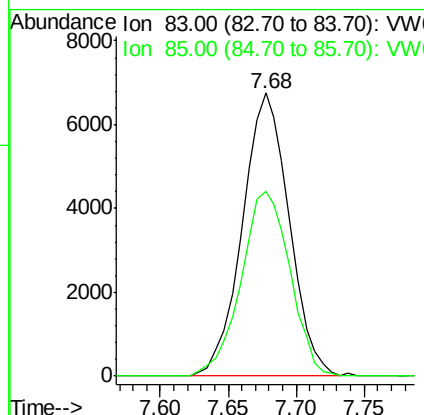
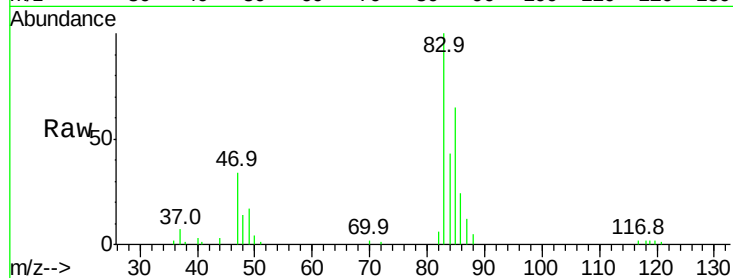




#25
Chloroform
Concen: 2.110 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

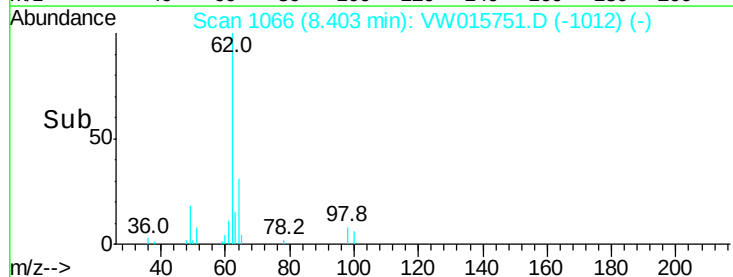
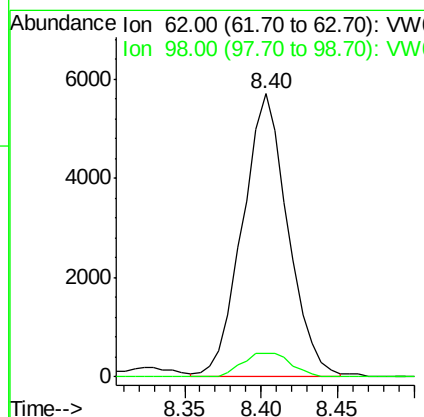
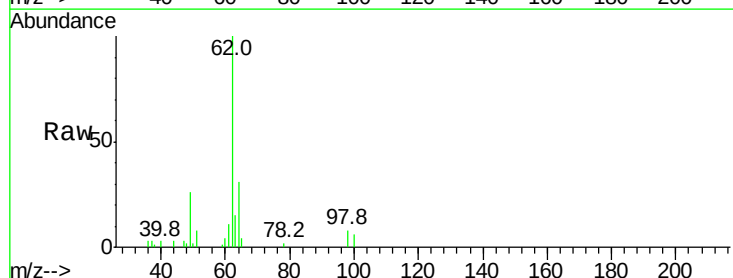
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

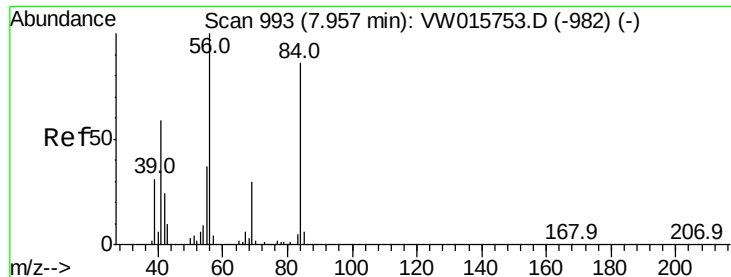
Tgt Ion: 83 Resp: 16241
Ion Ratio Lower Upper
83 100
85 68.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 2.258 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion: 62 Resp: 11755
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.4

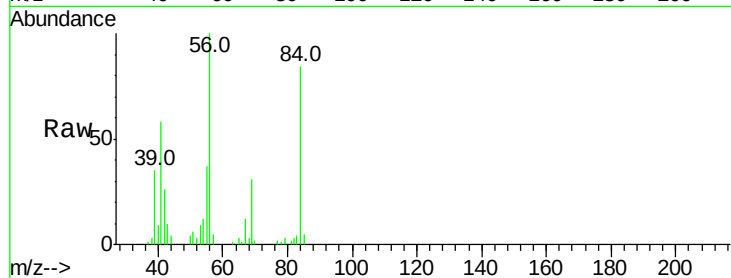




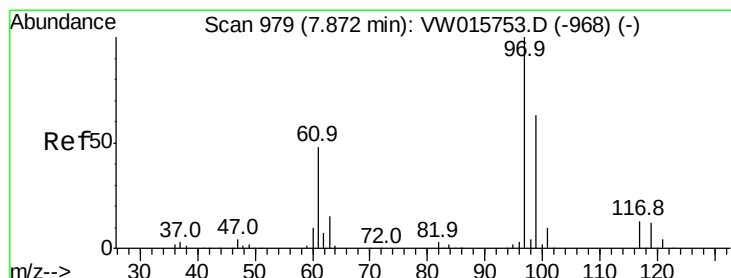
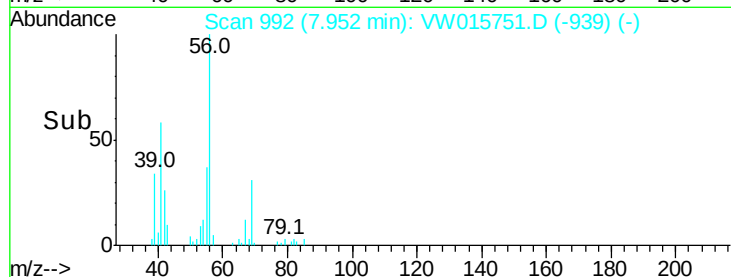
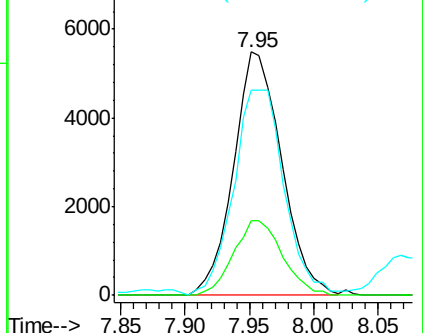
#30
Cyclohexane
Concen: 1.937 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

Tgt Ion: 56 Resp: 14256
Ion Ratio Lower Upper
56 100
69 31.2 24.6 37.0
84 88.9 71.1 106.7

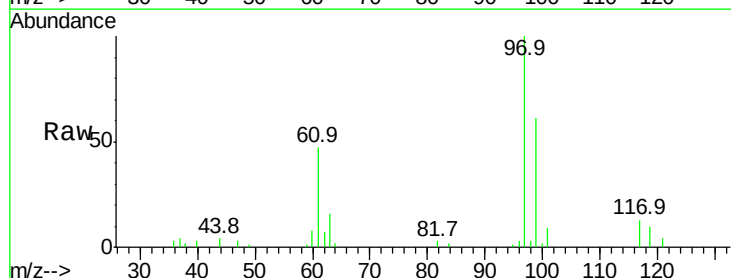


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

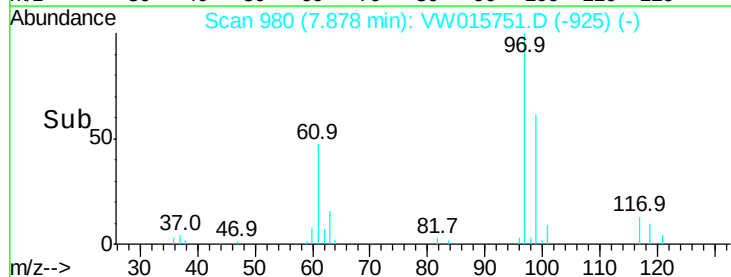
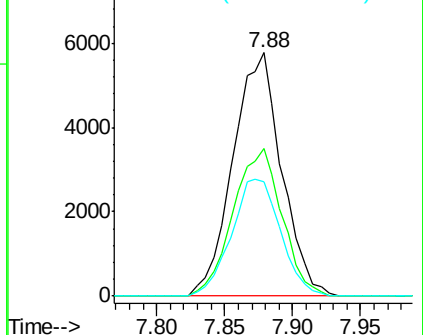


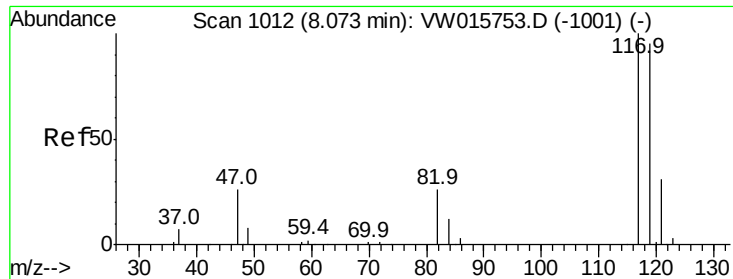
#31
1,1,1-Trichloroethane
Concen: 2.167 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion: 97 Resp: 14431
Ion Ratio Lower Upper
97 100
99 60.7 50.5 75.7
61 48.5 37.9 56.9



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: 2.078 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

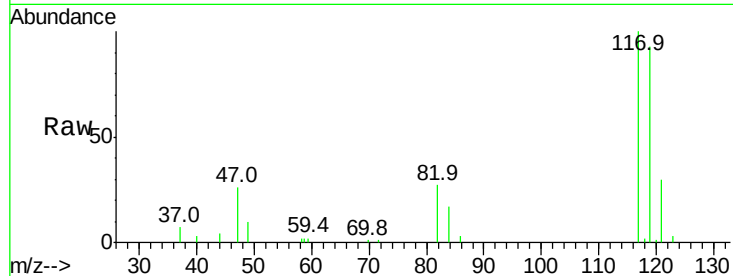
VSTD2.504

Tgt Ion:117 Resp: 12690

Ion Ratio Lower Upper

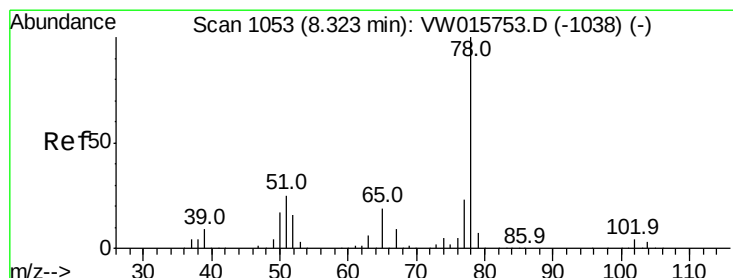
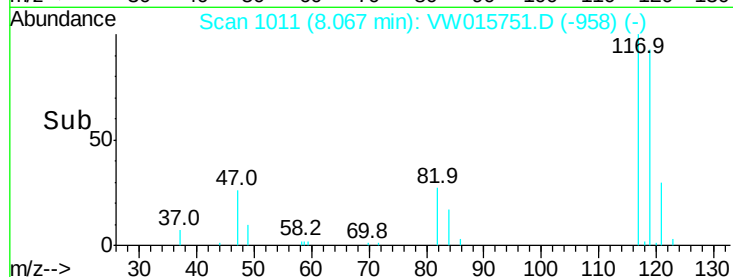
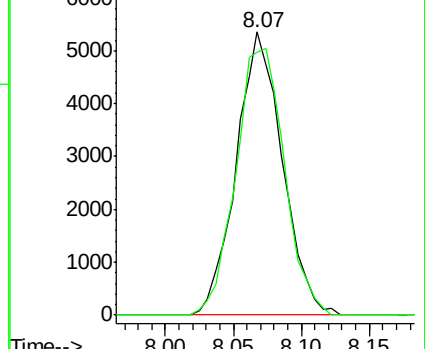
117 100

119 99.9 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.190 ug/L

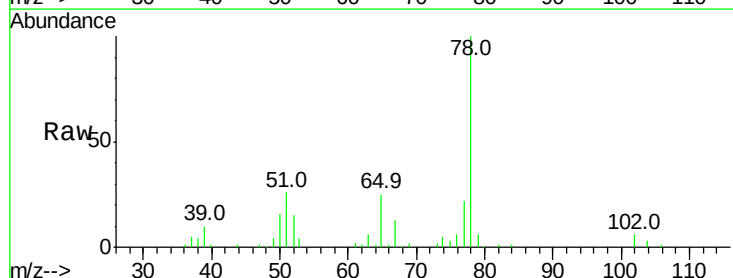
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

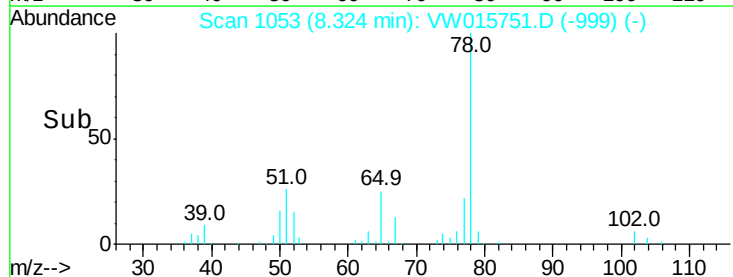
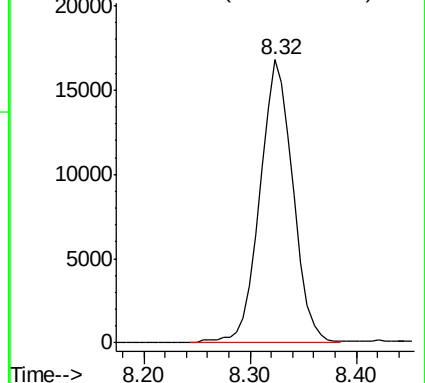
Lab File: VW015751.D

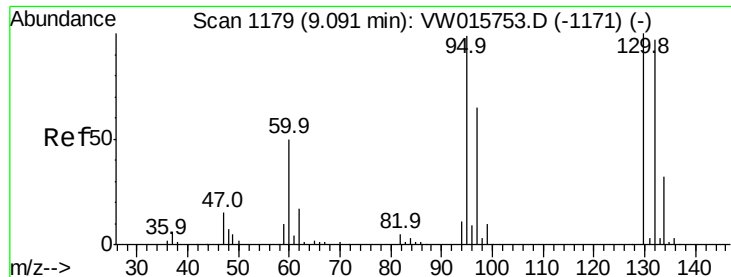
Acq: 29 Jun 2020 09:44

Tgt Ion: 78 Resp: 36461



Abundance Ion 78.00 (77.70 to 78.70): VW



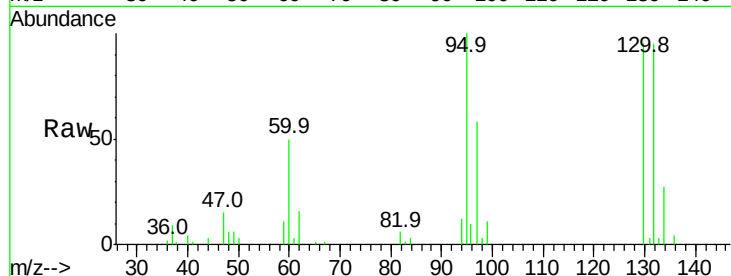


#35
 Trichloroethene
 Concen: 2.187 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

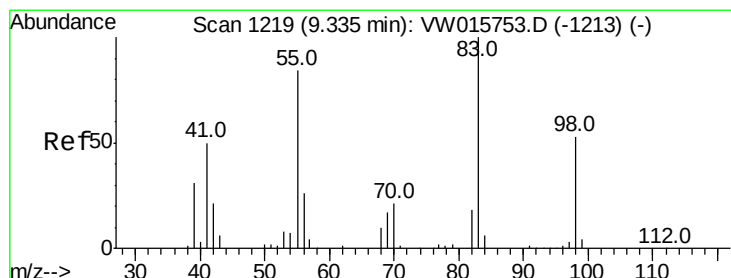
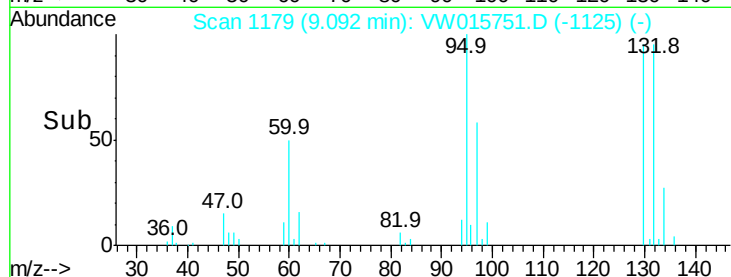
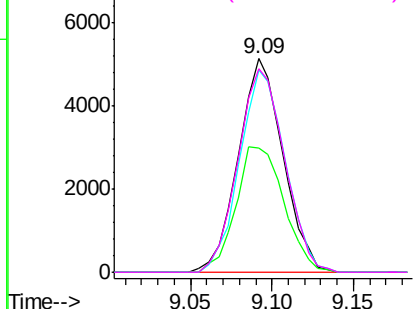
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Tgt Ion: 95 Resp: 9777

Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.9	83.3
132	96.3	67.8	126.0
130	99.1	70.1	130.1



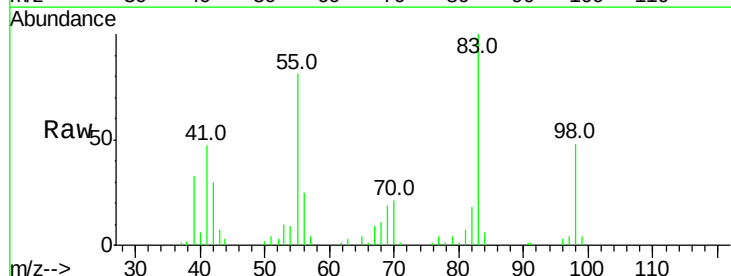
Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



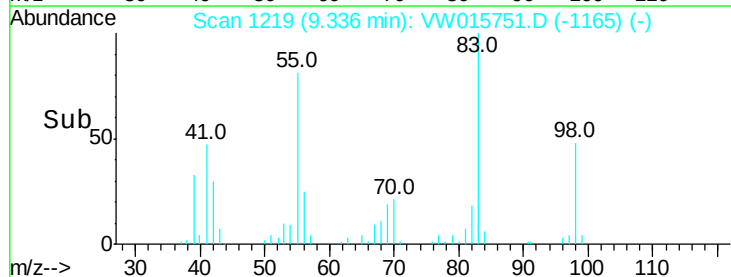
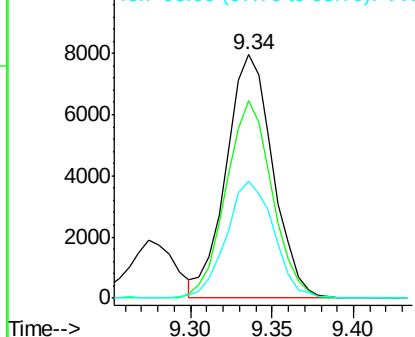
#36
 Methylcyclohexane
 Concen: 1.990 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

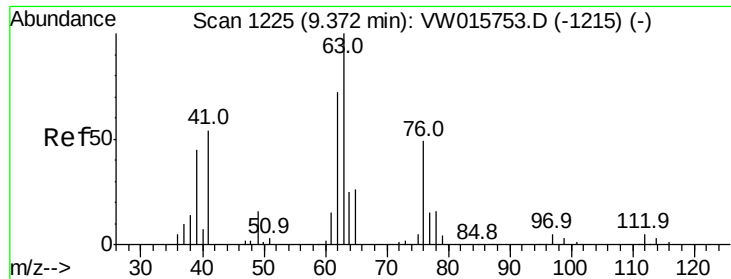
Tgt Ion: 83 Resp: 15871

Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.7	94.1
98	48.9	39.4	59.2



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

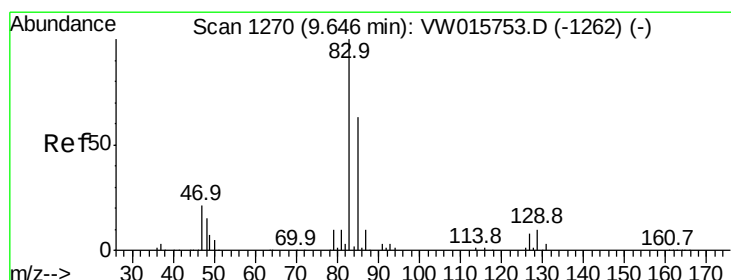
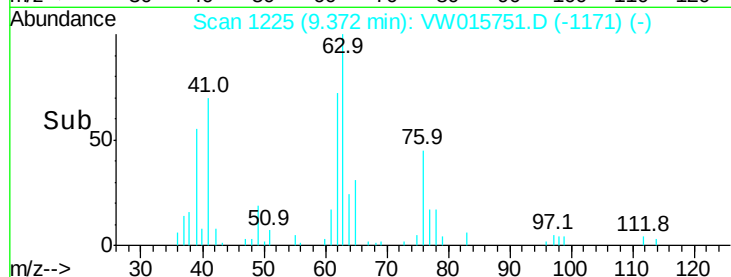
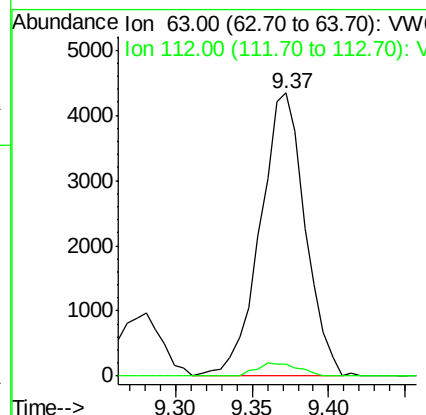
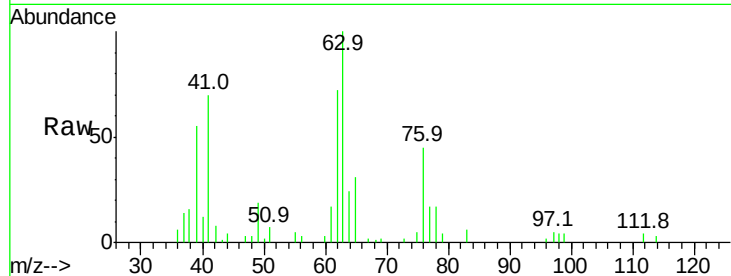




#40
 1,2-Dichloropropane
 Concen: 2.166 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

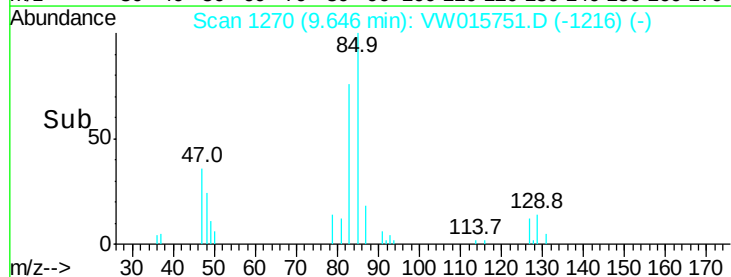
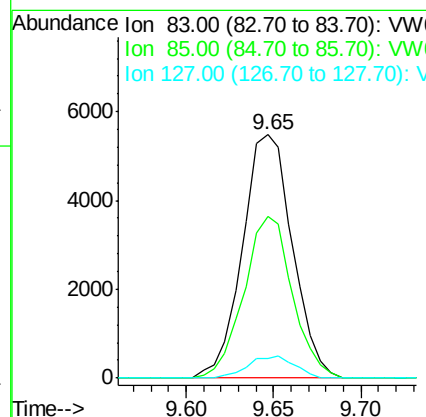
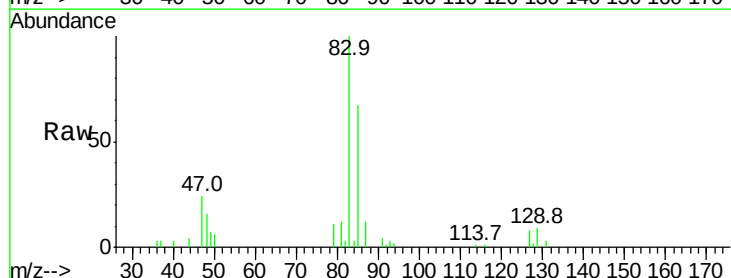
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.504

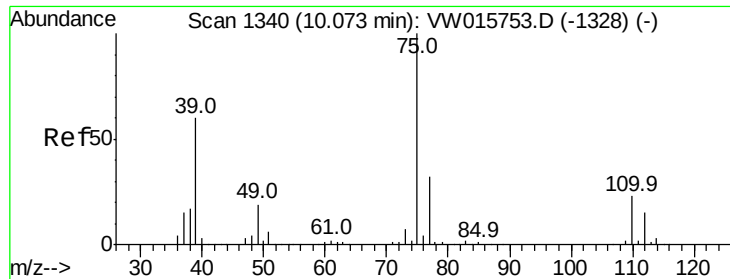
Tgt Ion: 63 Resp: 8880
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.0 6.0



#41
 Bromodichloromethane
 Concen: 1.987 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

Tgt Ion: 83 Resp: 10883
 Ion Ratio Lower Upper
 83 100
 85 66.6 44.1 81.9
 127 9.4 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 1.962 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

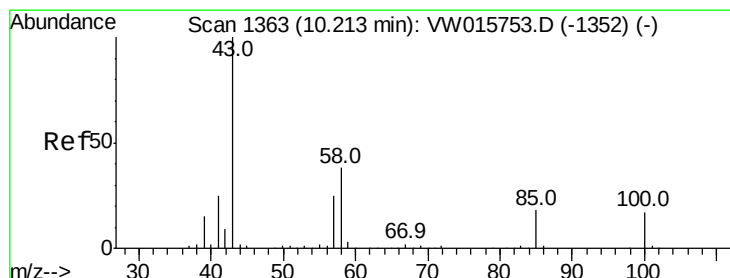
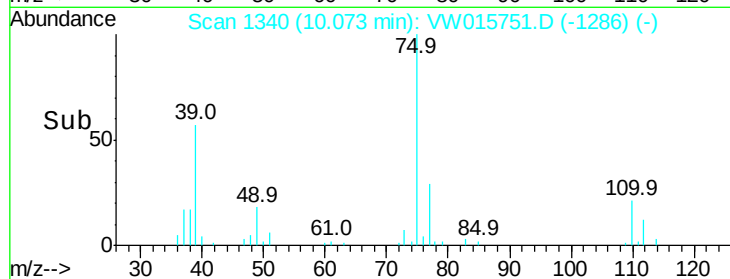
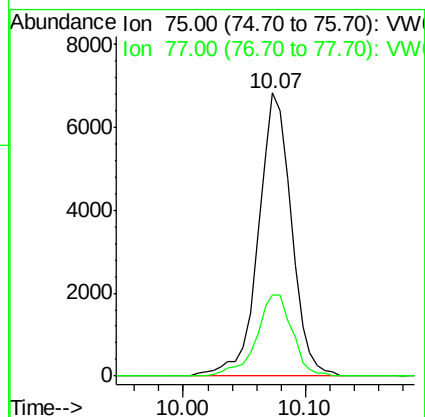
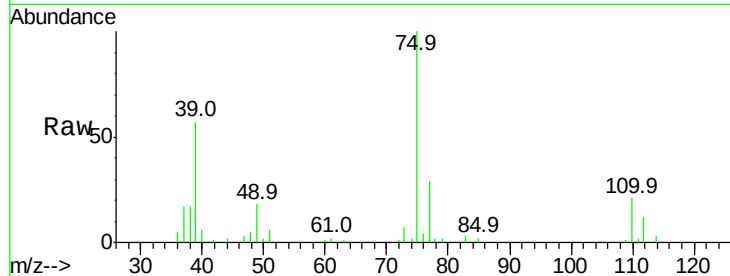
VSTD2.504

Tgt Ion: 75 Resp: 12874

Ion Ratio Lower Upper

75 100

77 28.6 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 4.437 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

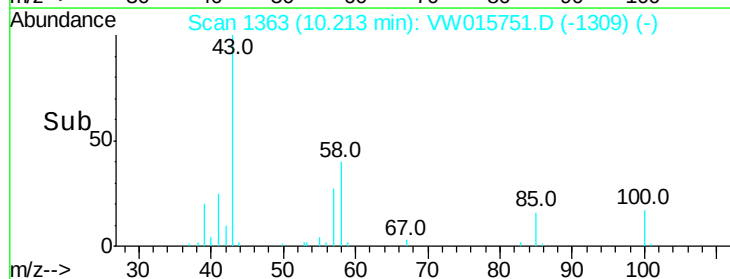
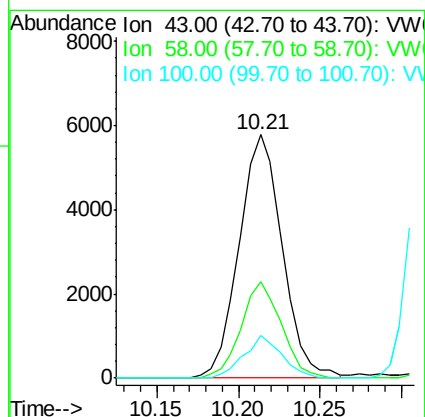
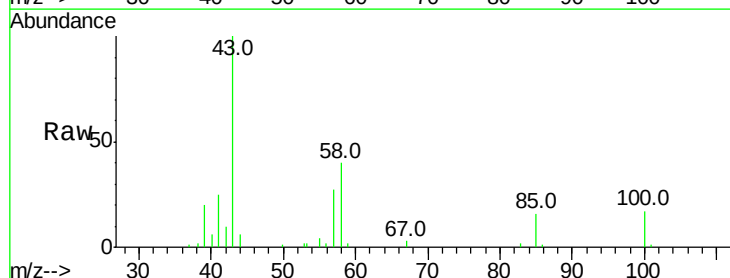
Tgt Ion: 43 Resp: 10661

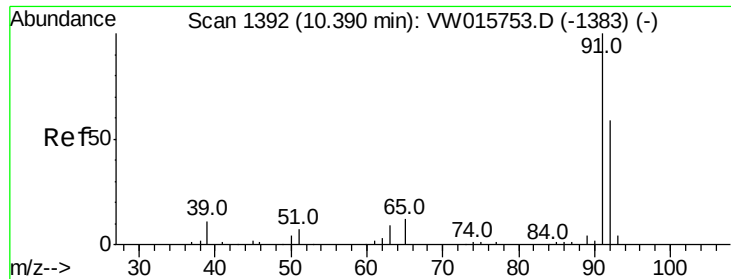
Ion Ratio Lower Upper

43 100

58 36.9 30.3 45.5

100 15.2 12.8 19.2





#44

Toluene

Concen: 2.028 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

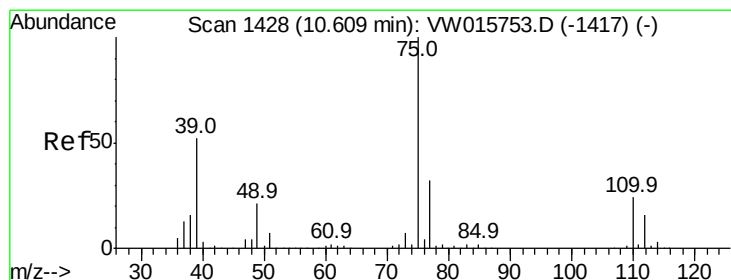
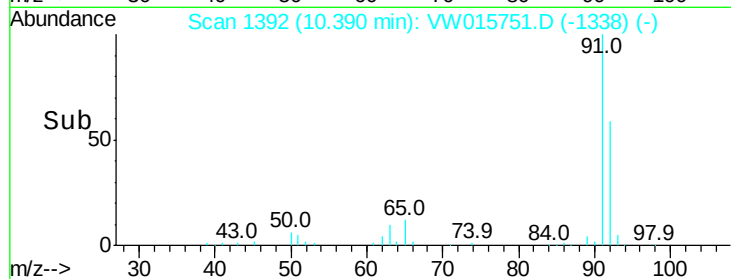
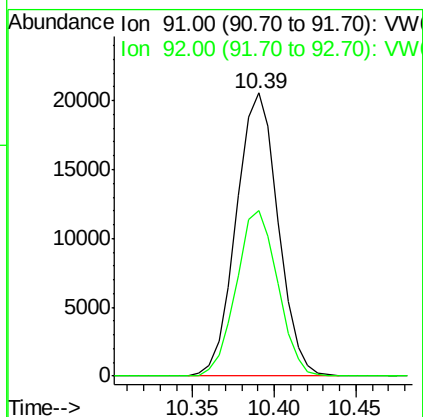
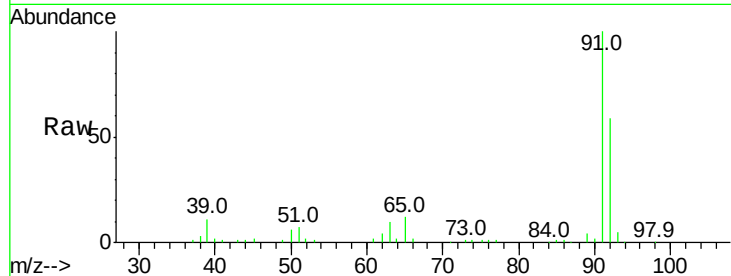
VSTD2.504

Tgt Ion: 91 Resp: 36774

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 1.880 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015751.D

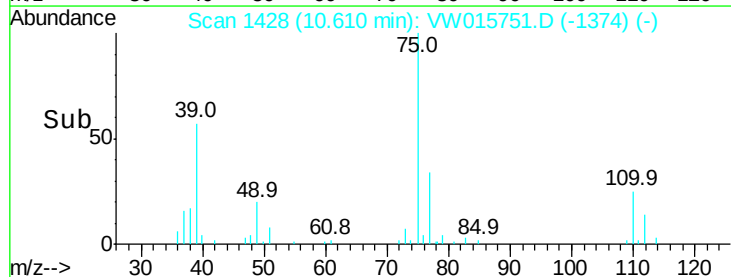
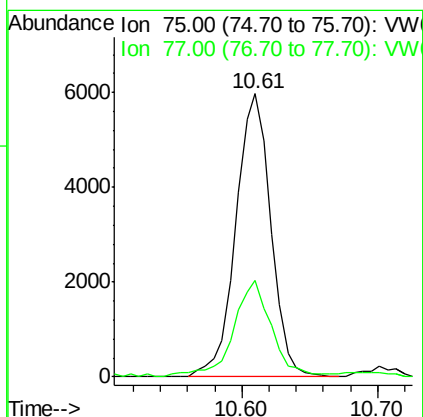
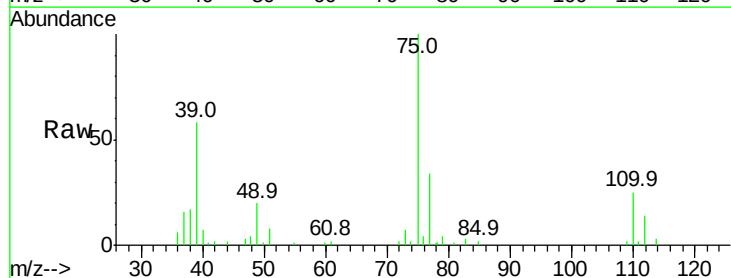
Acq: 29 Jun 2020 09:44

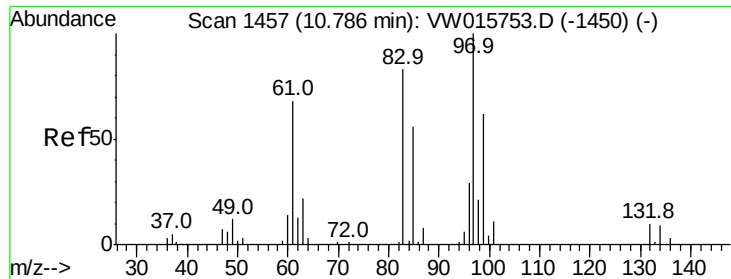
Tgt Ion: 75 Resp: 10731

Ion Ratio Lower Upper

75 100

77 34.2 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 2.231 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion: 97 Resp: 6398

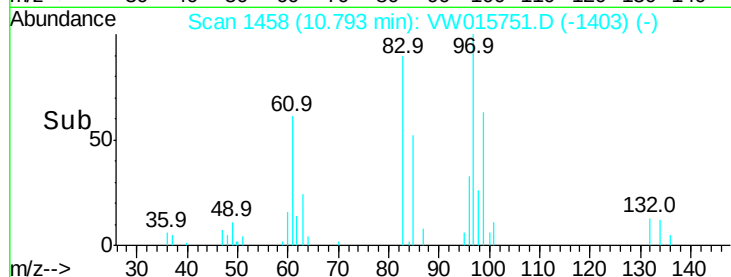
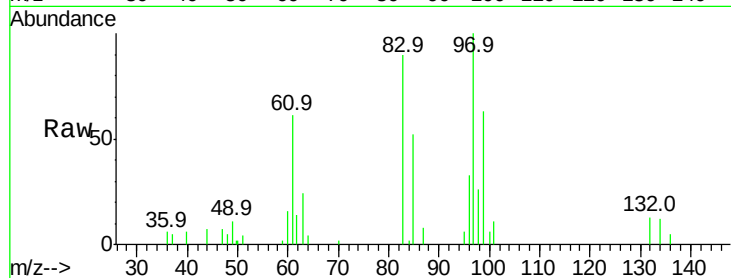
Ion Ratio Lower Upper

97 100

83 90.2 58.4 108.4

85 52.3 39.2 72.8

99 62.8 43.5 80.7

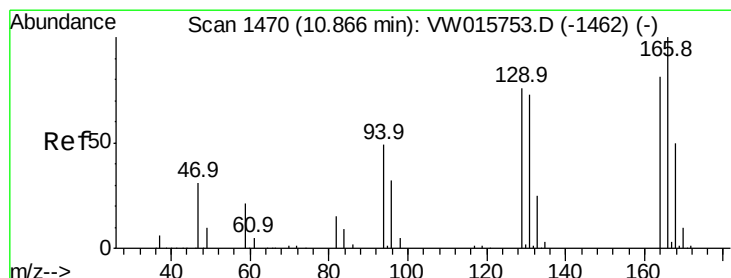
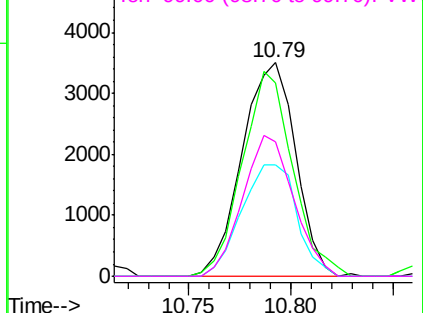


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.200 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Tgt Ion: 164 Resp: 7798

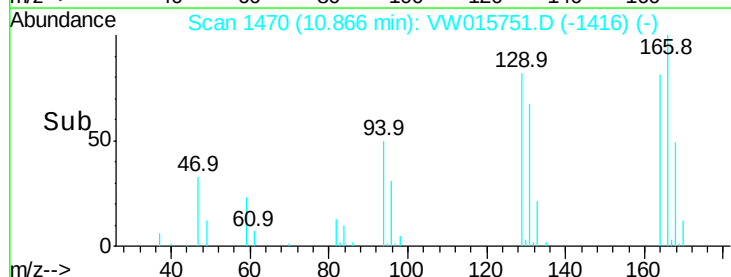
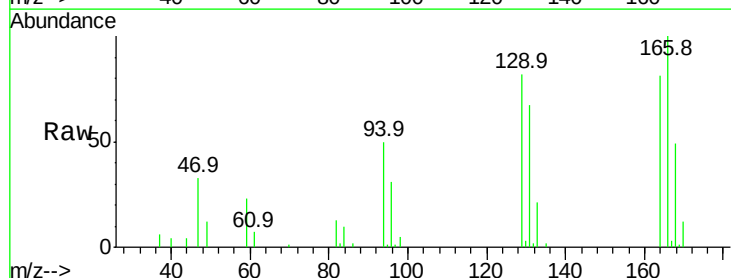
Ion Ratio Lower Upper

164 100

129 100.9 66.1 122.8

131 82.3 63.6 118.0

166 127.2 86.9 161.3

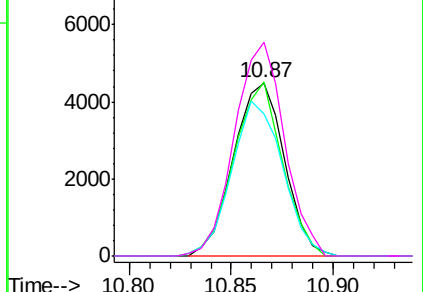


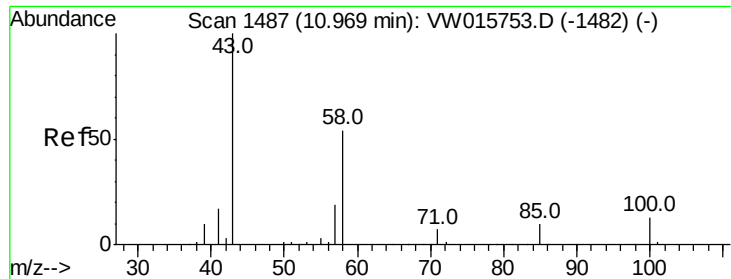
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 4.490 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion: 43 Resp: 7282

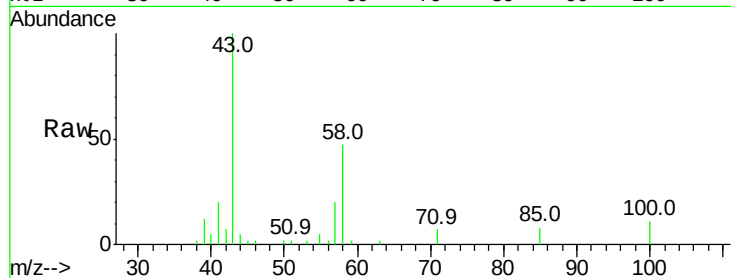
Ion Ratio Lower Upper

43 100

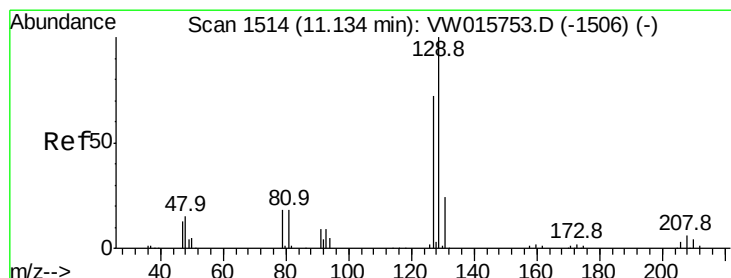
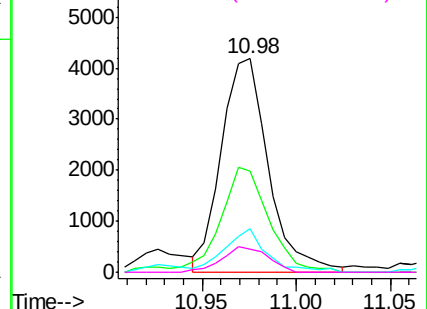
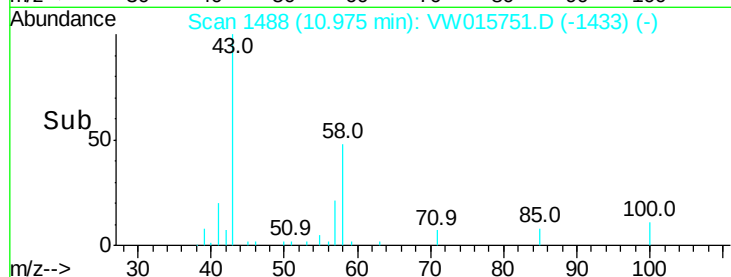
58 49.9 43.5 65.3

57 17.9 15.4 23.0

100 11.8 10.0 15.0



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



#50

Dibromochloromethane

Concen: 2.022 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015751.D

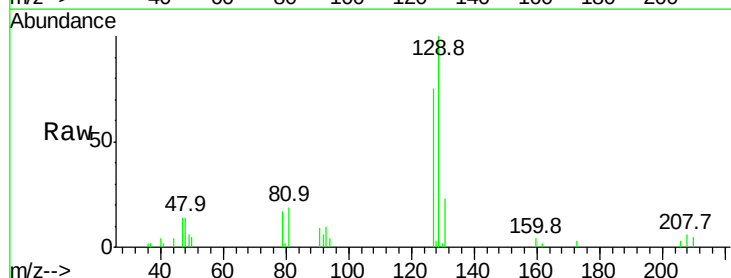
Acq: 29 Jun 2020 09:44

Tgt Ion: 129 Resp: 7047

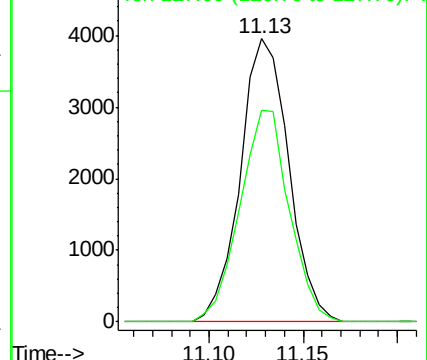
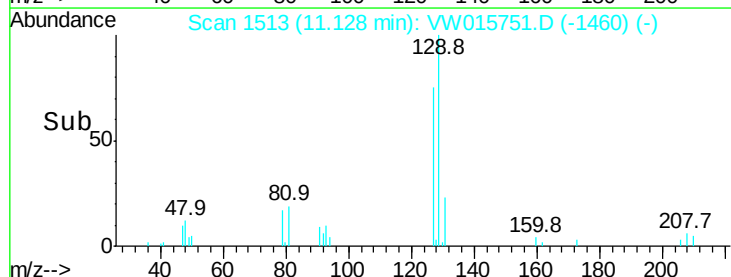
Ion Ratio Lower Upper

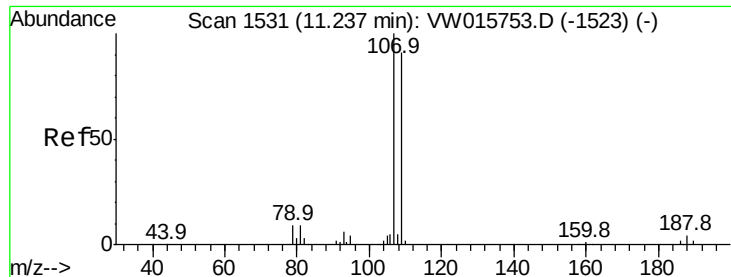
129 100

127 74.8 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

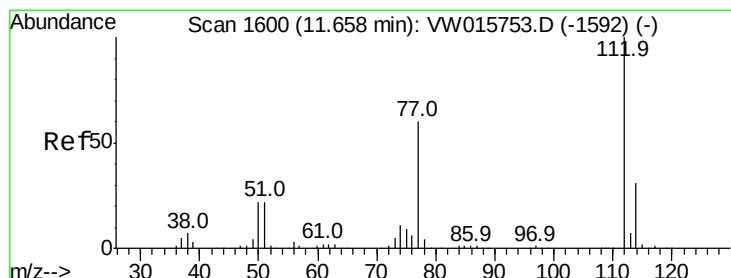
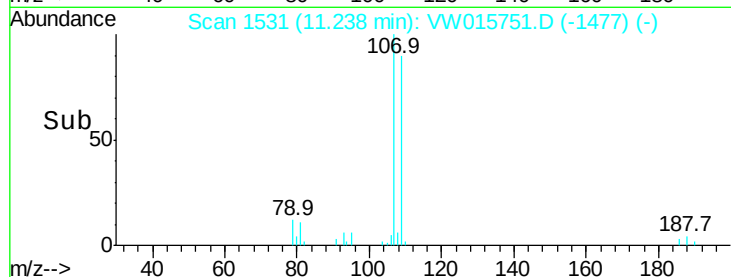
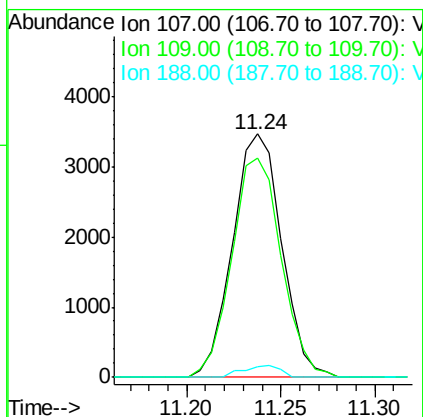
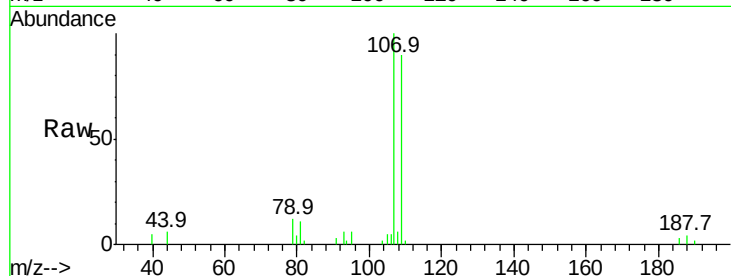




#51
1,2-Dibromoethane
Concen: 2.271 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

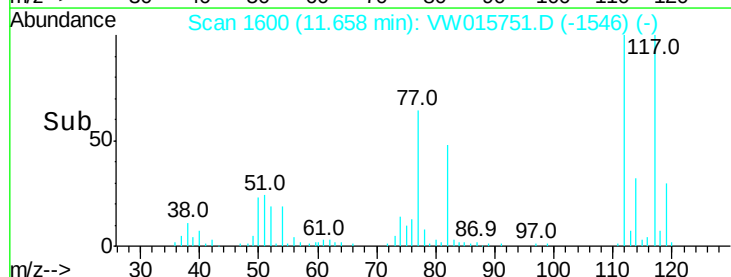
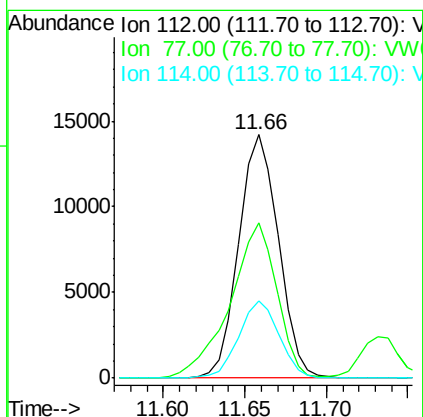
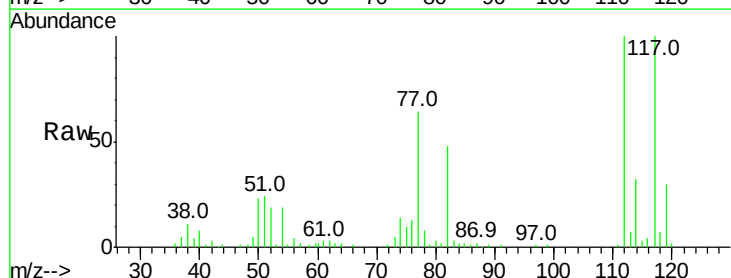
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

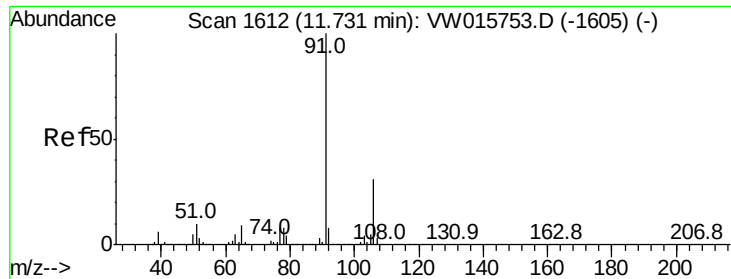
Tgt Ion:107 Resp: 6252
Ion Ratio Lower Upper
107 100
109 90.1 64.0 118.8
188 4.2 3.1 4.7



#52
Chlorobenzene
Concen: 2.124 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion:112 Resp: 24167
Ion Ratio Lower Upper
112 100
77 63.8 48.4 72.6
114 31.8 21.8 40.4





#53

Ethylbenzene

Concen: 1.954 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

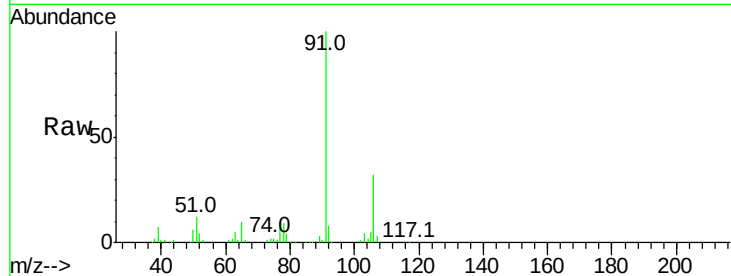
VSTD2.504

Tgt Ion: 91 Resp: 40690

Ion Ratio Lower Upper

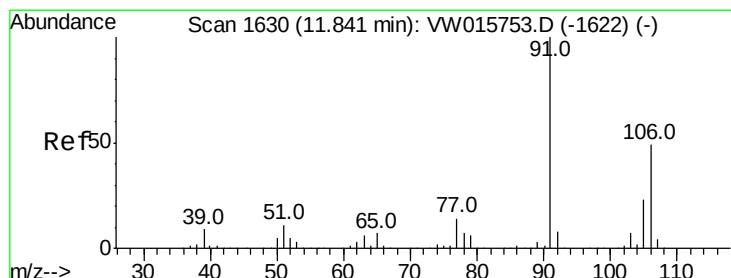
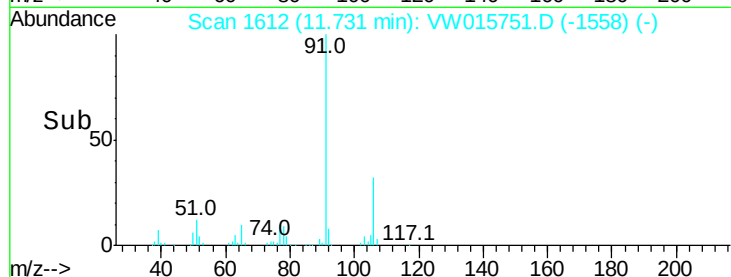
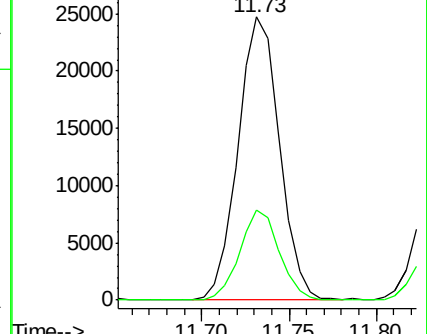
91 100

106 32.0 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 1.893 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015751.D

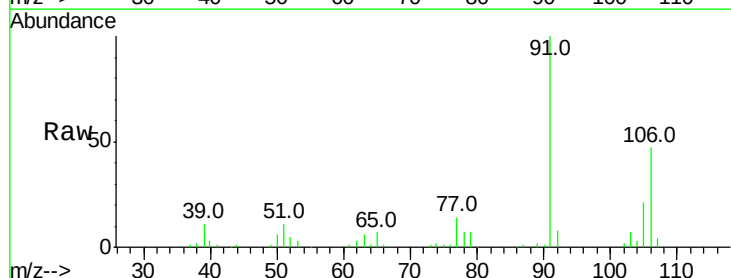
Acq: 29 Jun 2020 09:44

Tgt Ion: 106 Resp: 14792

Ion Ratio Lower Upper

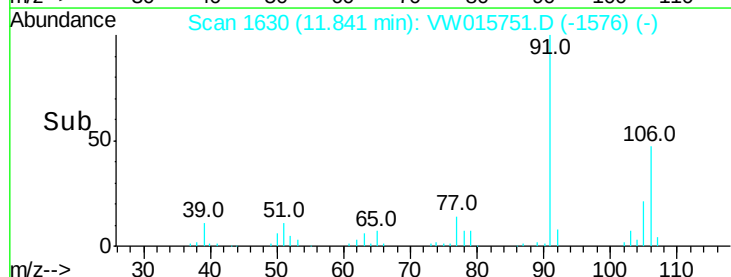
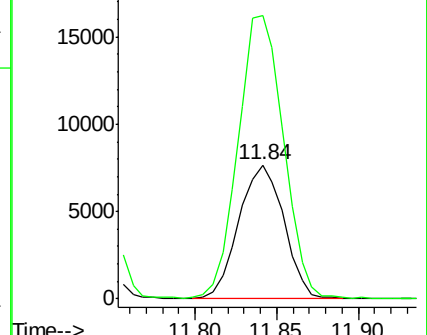
106 100

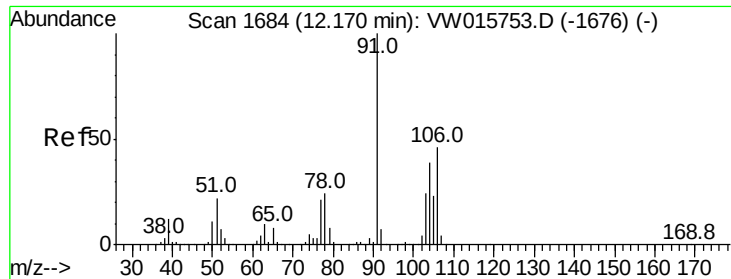
91 211.0 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

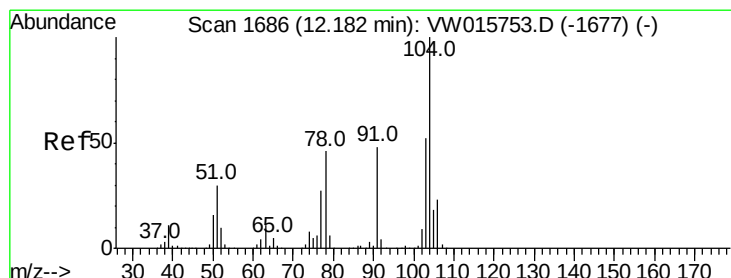
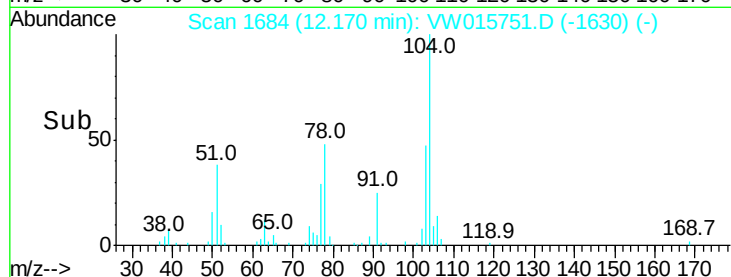
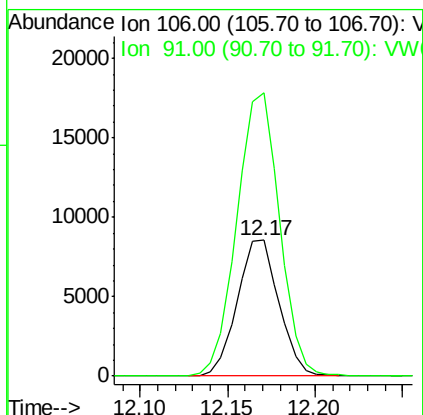
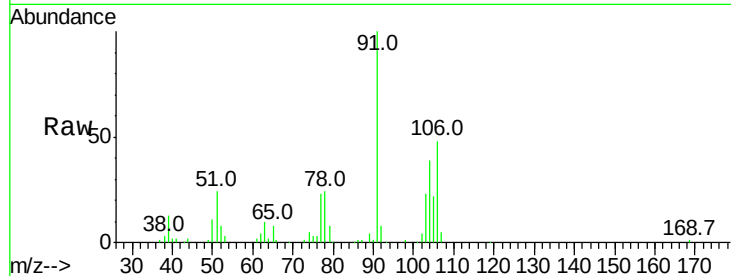




#55
o-xylene
Concen: 1.913 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

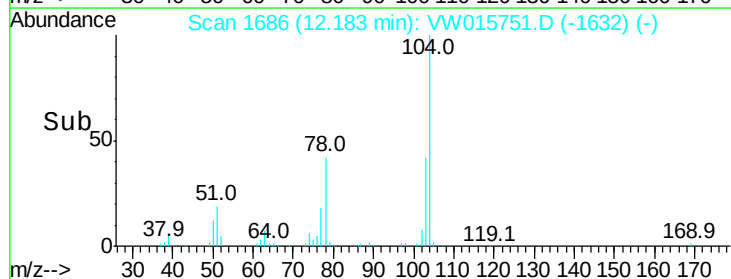
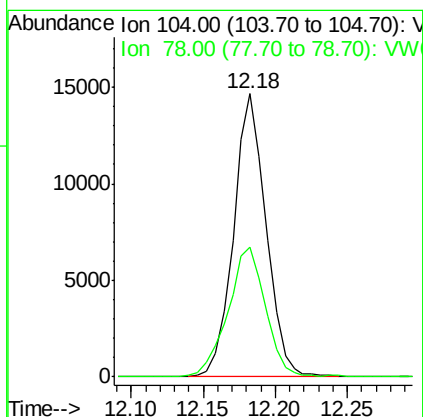
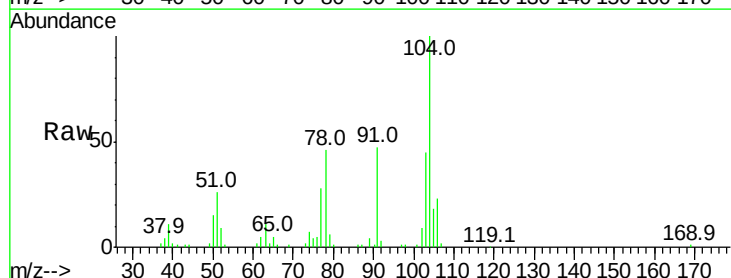
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

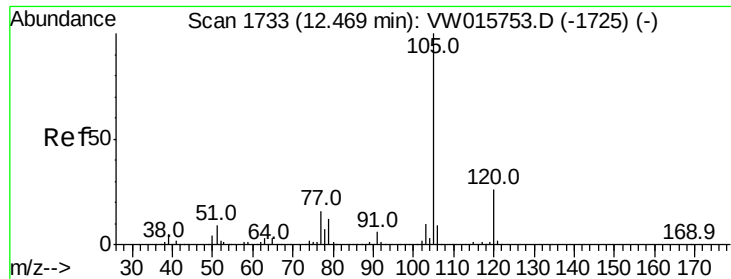
Tgt Ion:106 Resp: 14186
Ion Ratio Lower Upper
106 100
91 208.2 151.3 280.9



#56
Styrene
Concen: 1.810 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015751.D
Acq: 29 Jun 2020 09:44

Tgt Ion:104 Resp: 22938
Ion Ratio Lower Upper
104 100
78 45.7 32.4 60.2





#57

Isopropylbenzene

Concen: 1.858 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

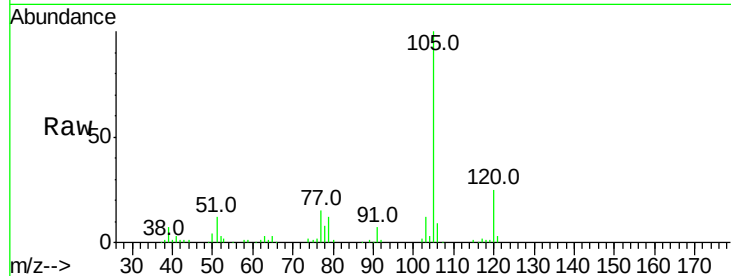
Tgt Ion:105 Resp: 38396

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

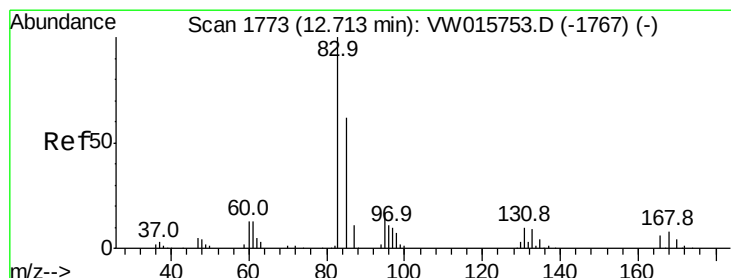
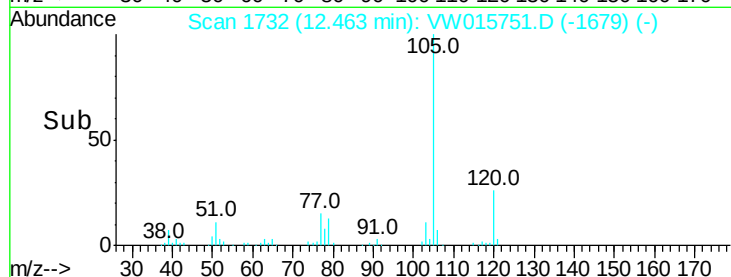
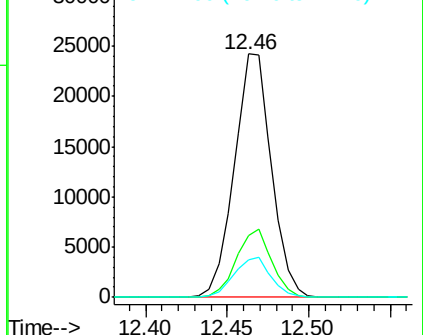
77 16.3 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.295 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

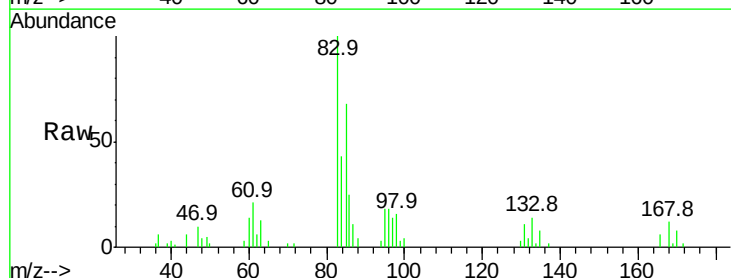
Tgt Ion: 83 Resp: 7621

Ion Ratio Lower Upper

83 100

85 68.3 43.5 80.9

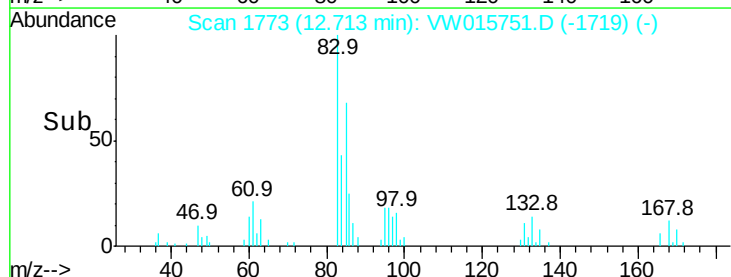
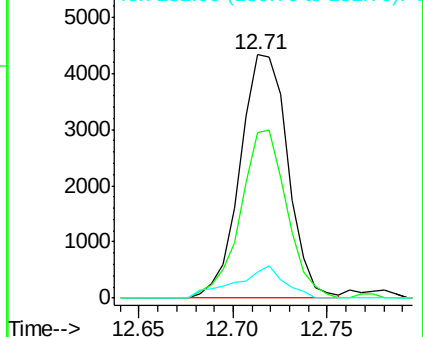
131 14.5 8.2 12.4#

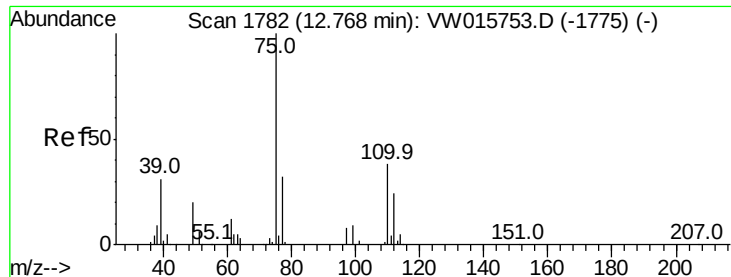


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.395 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

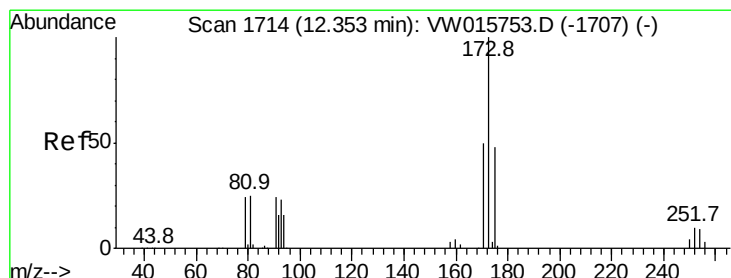
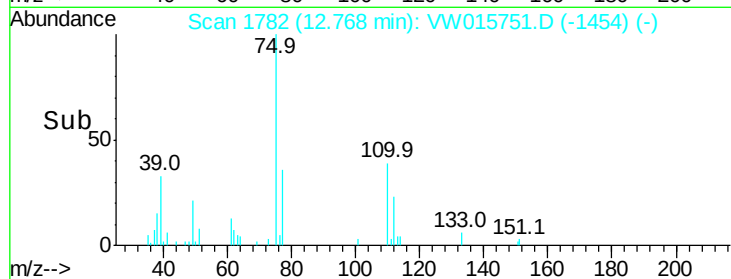
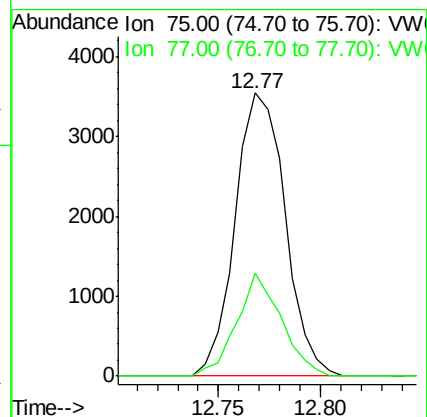
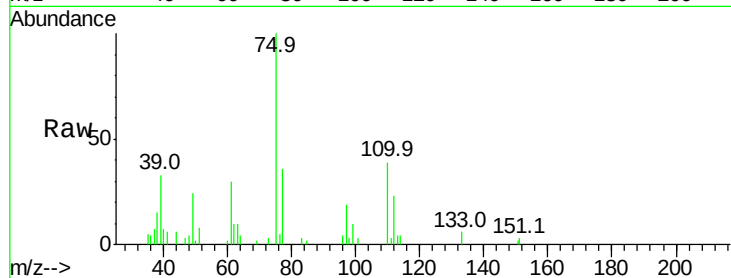
VSTD2.504

Tgt Ion: 75 Resp: 6029

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1



#62

Bromoform

Concen: 1.817 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

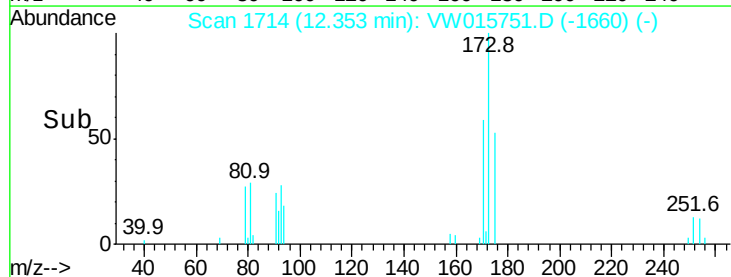
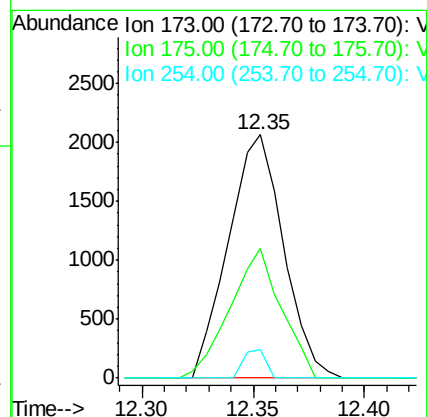
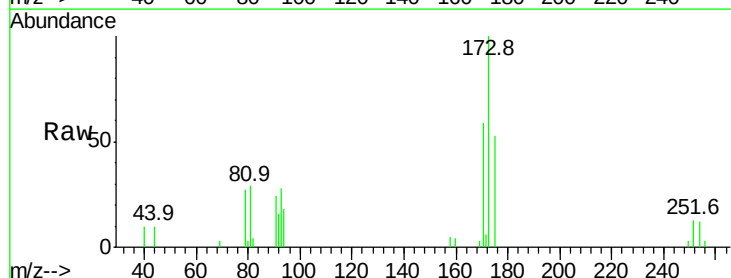
Tgt Ion: 173 Resp: 3562

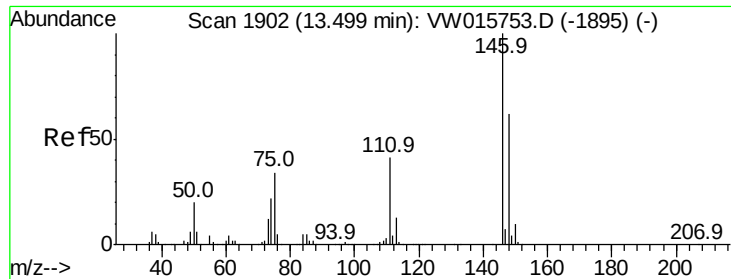
Ion Ratio Lower Upper

173 100

175 49.5 39.4 59.2

254 4.7 8.2 12.2#





#63

1,3-Dichlorobenzene

Concen: 2.067 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

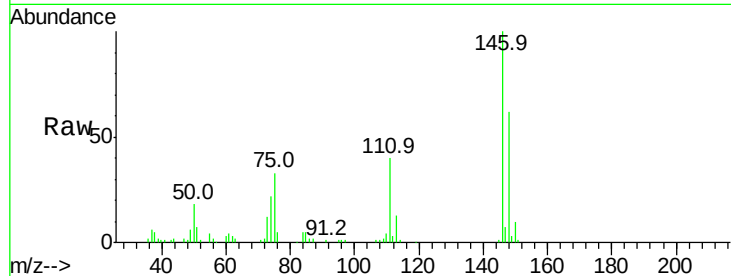
Tgt Ion:146 Resp: 17792

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.6

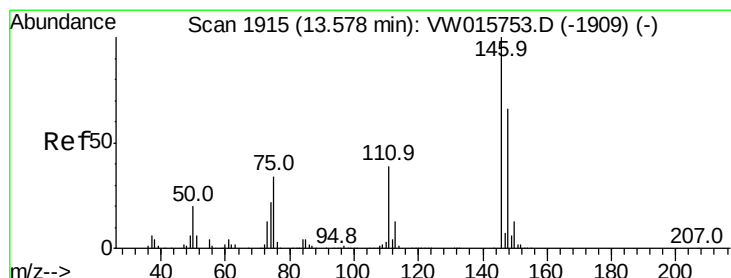
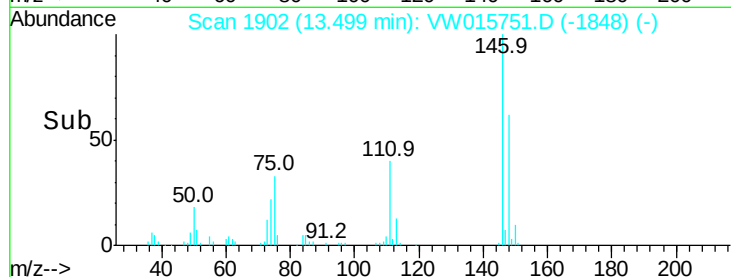
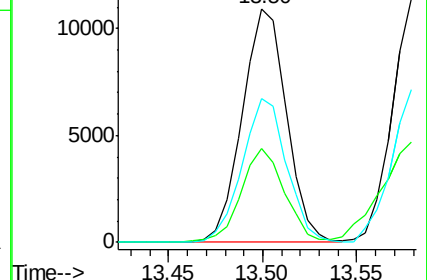
148 61.6 43.6 81.0



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



#64

1,4-Dichlorobenzene

Concen: 2.159 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

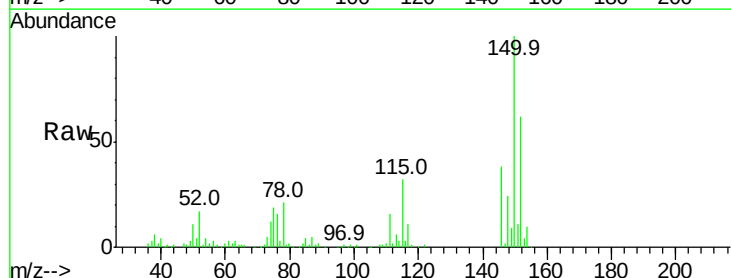
Tgt Ion:146 Resp: 18213

Ion Ratio Lower Upper

146 100

111 41.2 27.8 51.6

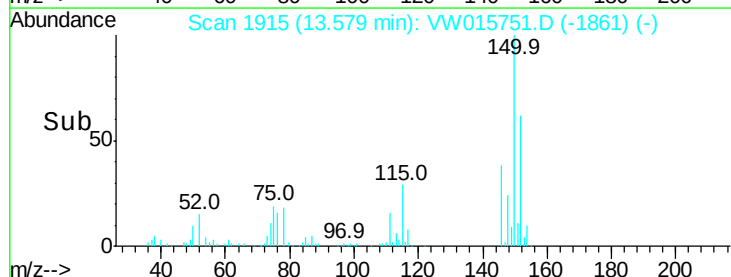
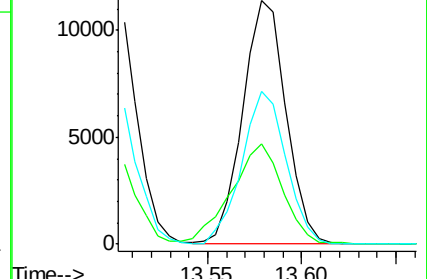
148 62.8 46.0 85.4

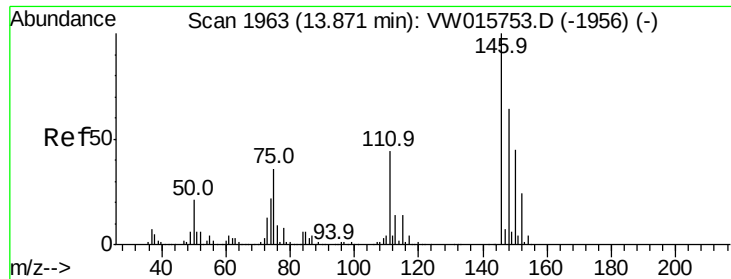


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

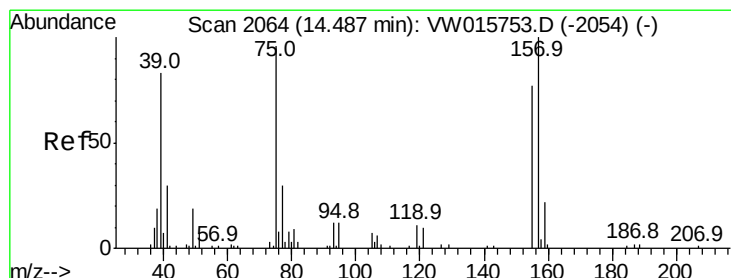
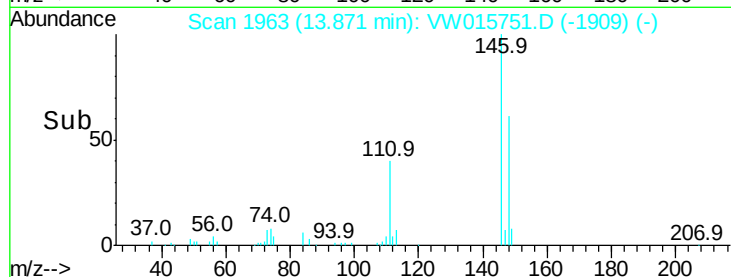
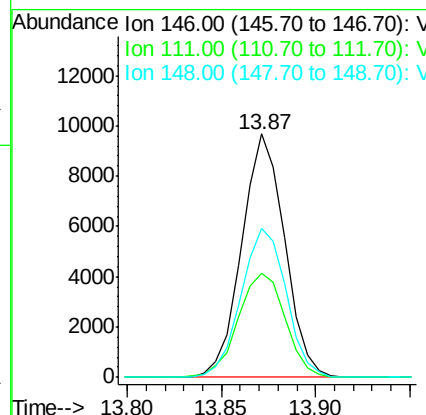
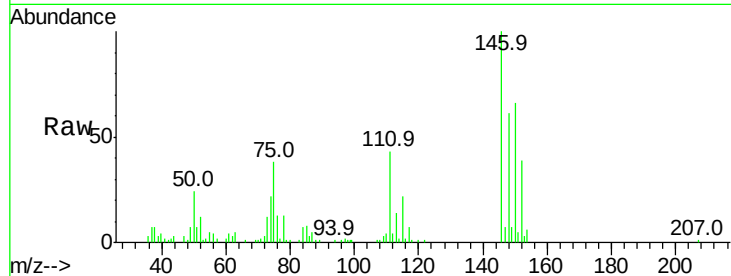




#65
 1,2-Dichlorobenzene
 Concen: 2.044 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

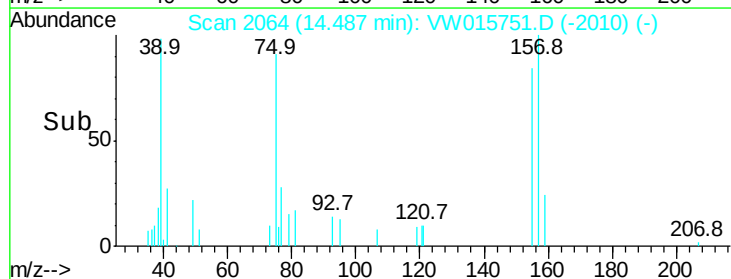
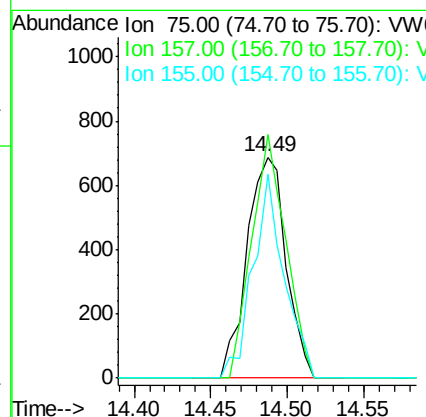
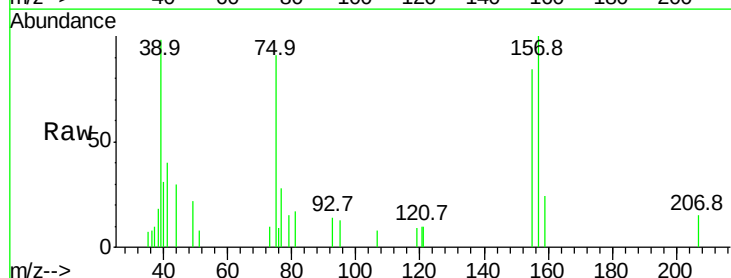
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

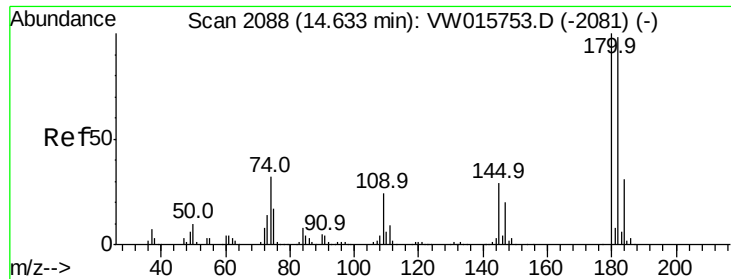
Tgt Ion: 146 Resp: 15287
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.5 53.3
 148 60.9 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.139 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

Tgt Ion: 75 Resp: 1214
 Ion Ratio Lower Upper
 75 100
 157 110.2 83.2 124.8
 155 92.2 64.2 96.4

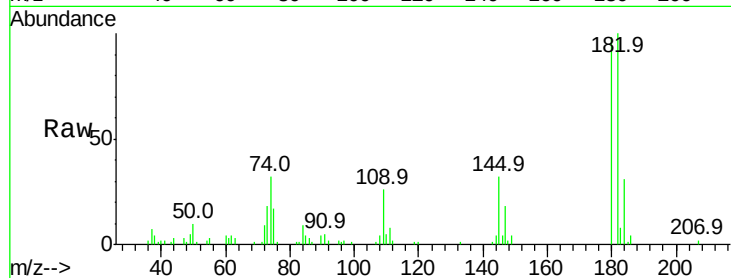




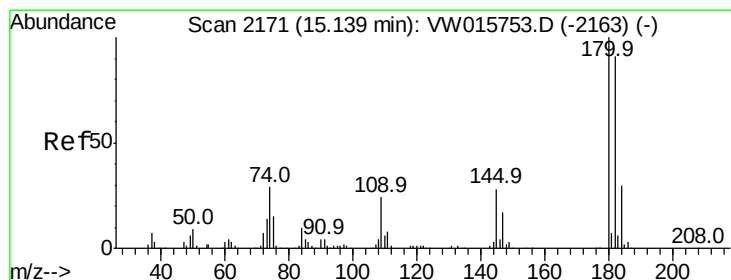
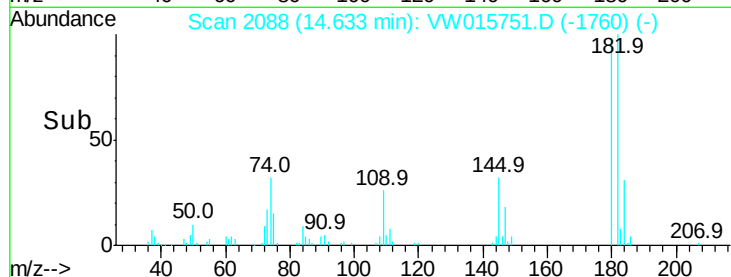
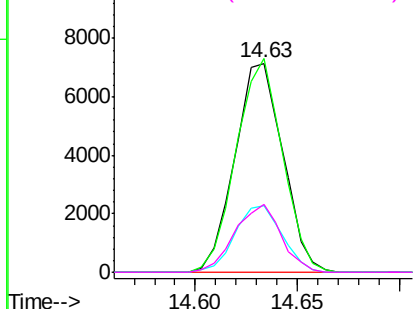
#67
 1,3,5-Trichlorobenzene
 Concen: 1.967 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Tgt Ion:180 Resp: 11720
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.1 114.1
 184 31.4 24.2 36.2
 145 31.2 23.8 35.6

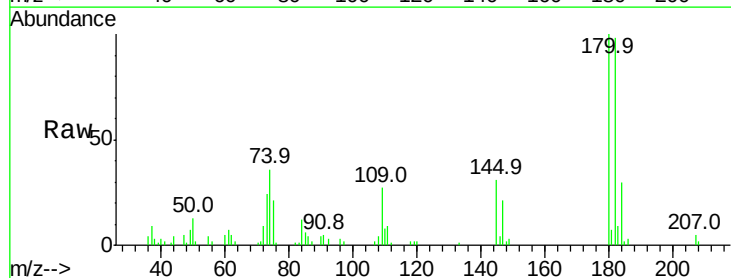


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

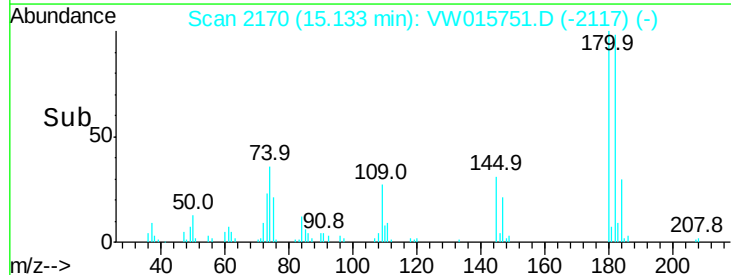
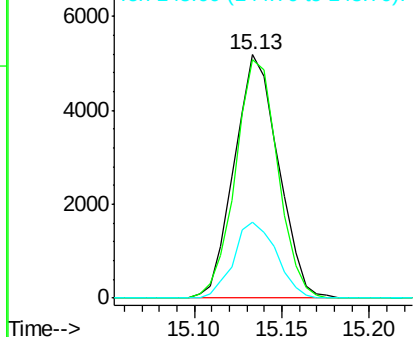


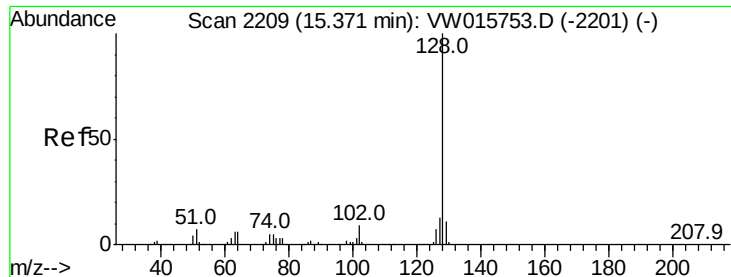
#68
 1,2,4-trichlorobenzene
 Concen: 1.889 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015751.D
 Acq: 29 Jun 2020 09:44

Tgt Ion:180 Resp: 9065
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.5 113.3
 145 30.3 24.6 37.0



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





#69

Naphthalene

Concen: 1.834 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

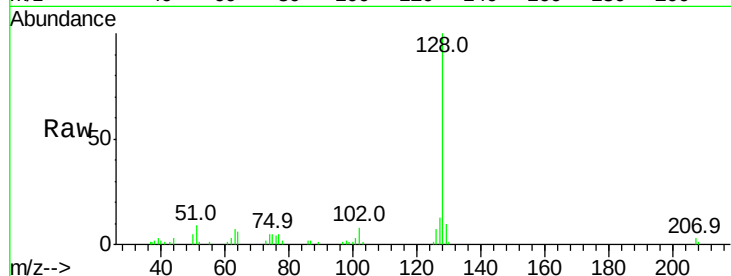
Tgt Ion:128 Resp: 15986

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

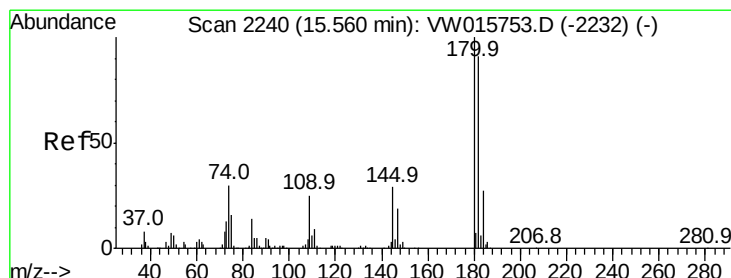
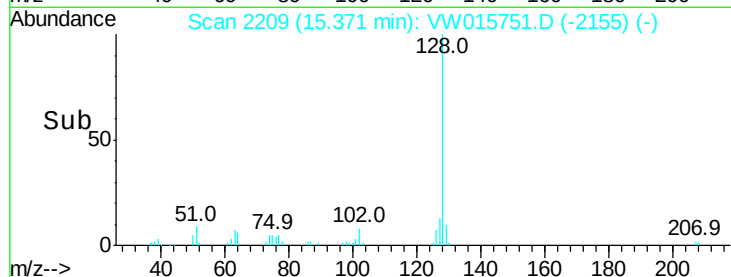
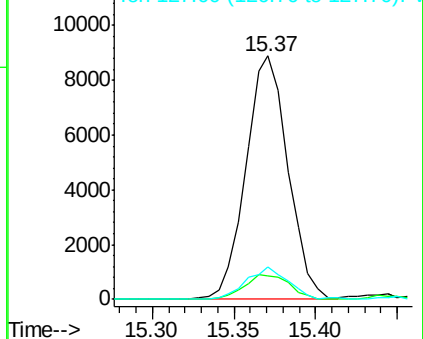
127 12.9 10.6 16.0



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: 1.966 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015751.D

Acq: 29 Jun 2020 09:44

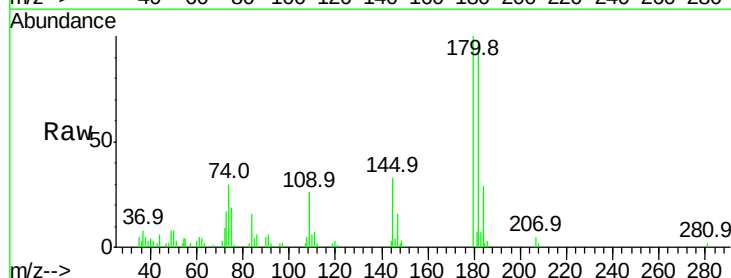
Tgt Ion:180 Resp: 8028

Ion Ratio Lower Upper

180 100

182 91.8 75.5 113.3

145 33.2 25.4 38.0



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

