

Data File : VW010761.D
Acq On : 11 Jun 2019 10:23
Operator : SY/VA
Sample : VSTD2.520
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

Quant Time: Jun 11 11:59:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 11:56:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	422681	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	383537	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178529	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	17773	3.81	ug/L	0.00
7) Chloroethane-d5	2.88	69	13080	3.68	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	34340	2.94	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9295	4.10	ug/L	0.01
24) Chloroform-d	7.65	84	20712	1.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	17452	2.63	ug/L	0.00
29) Benzene-d6	8.27	84	58366	2.76	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	18136	2.72	ug/L	0.00
37) Toluene-d8	10.32	98	51789	2.79	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7485	2.53	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6907	4.15	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	14188	2.26	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	16955	2.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	18190	3.252 ug/L	100
3) Chloromethane	2.22	50	20504	3.855 ug/L	96
5) Vinyl chloride	2.35	62	18627	3.164 ug/L	98
6) Bromomethane	2.76	94	8654	2.669 ug/L	96
8) Chloroethane	2.92	64	10813	3.354 ug/L	97
9) Trichlorofluoromethane	3.26	101	23871	7.974 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	14284	2.519 ug/L	98
12) 1,1-Dichloroethene	4.04	96	13165	2.302 ug/L	99
13) Acetone	4.14	43	16294	9.141 ug/L	100
14) Carbon disulfide	4.38	76	39754	2.425 ug/L	99
15) Methyl Acetate	4.68	43	9878	2.530 ug/L	97
16) Methylene chloride	4.92	84	16870	2.404 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	40345	5.331 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	14304	2.501 ug/L	97
19) 1,1-Dichloroethane	6.22	63	28940	2.577 ug/L	97
21) 2-Butanone	7.18	43	20396	7.500 ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	15779	2.550 ug/L	99
23) Bromochloromethane	7.52	128	6416	2.264 ug/L	90
25) Chloroform	7.68	83	32470	2.924 ug/L	99
27) 1,2-Dichloroethane	8.40	62	21057	2.591 ug/L	99
30) Cyclohexane	7.96	56	31661	3.364 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	23370	2.956 ug/L	99
32) Carbon tetrachloride	8.07	117	18362	2.255 ug/L	96
34) Benzene	8.32	78	61171	2.636 ug/L	100
35) Trichloroethene	9.09	95	15841	2.642 ug/L	98
36) Methylcyclohexane	9.34	83	29182	2.901 ug/L	99
40) 1,2-Dichloropropane	9.37	63	16772	2.784 ug/L	98
41) Bromodichloromethane	9.65	83	17728	2.273 ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	24040	2.649 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	29057	5.654 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Jun 11 11:56:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	64694	2.678	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	19008	2.435	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	11433	2.492	ug/L	96
47) Tetrachloroethene	10.87	164	12329	2.671	ug/L	98
49) 2-Hexanone	10.97	43	20342	5.365	ug/L	99
50) Dibromochloromethane	11.13	129	11641	2.209	ug/L	94
51) 1,2-Dibromoethane	11.24	107	10970	2.450	ug/L	97
52) Chlorobenzene	11.66	112	39685	2.565	ug/L	97
53) Ethylbenzene	11.73	91	73000	2.707	ug/L	99
54) m,p-Xylene	11.84	106	26758	2.693	ug/L	98
55) o-xylene	12.16	106	24680	2.633	ug/L	94
56) Styrene	12.18	104	42613	2.607	ug/L	100
57) Isopropylbenzene	12.47	105	68800	2.709	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	14641	2.380	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	11934	2.547	ug/L	99
62) Bromoform	12.35	173	6627	2.208	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	29026	2.672	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	29536	2.545	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	27095	2.583	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	2602	2.376	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	21682	2.641	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	16887	2.541	ug/L	97
69) Naphthalene	15.37	128	30144	2.048	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	15018	2.361	ug/L	99

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

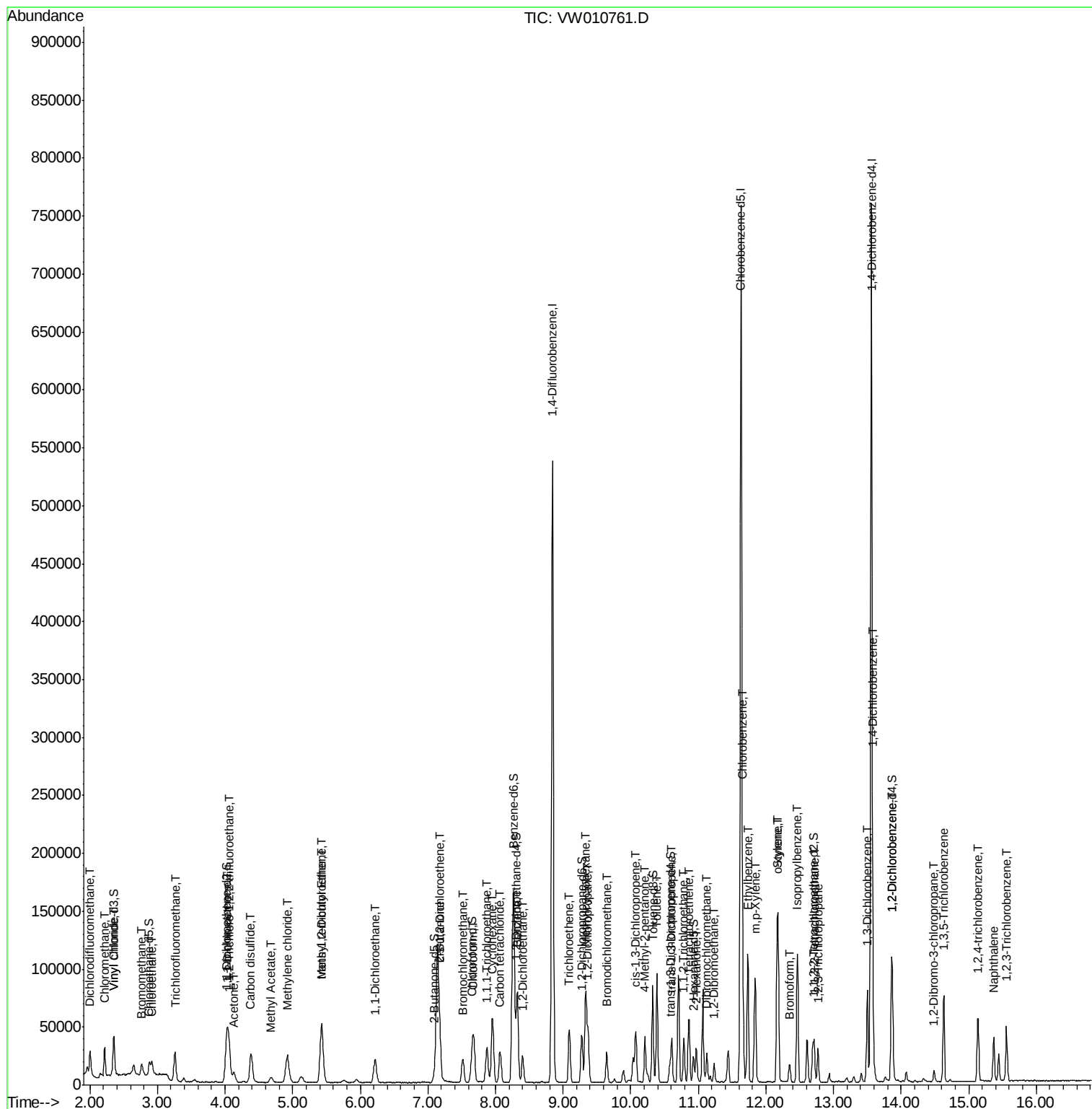
Quant Time: Jun 11 11:59:35 2019

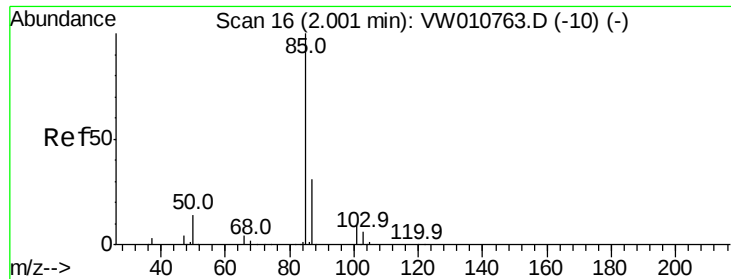
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M

Quant Title : VOC Analysis

QLast Update : Tue Jun 11 11:56:59 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.252 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

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Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

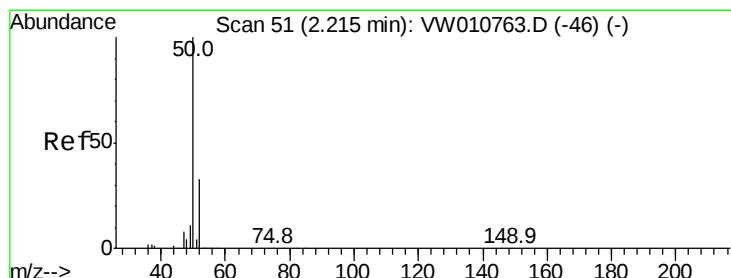
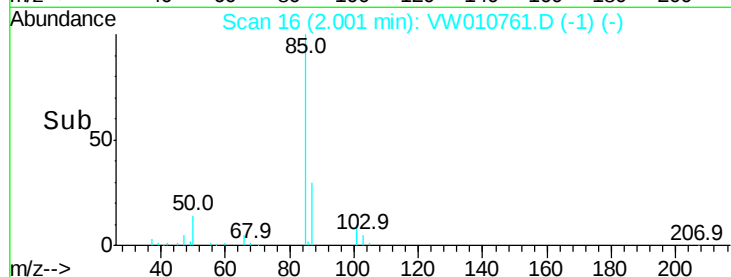
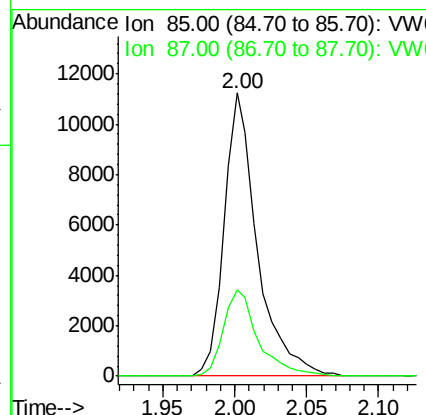
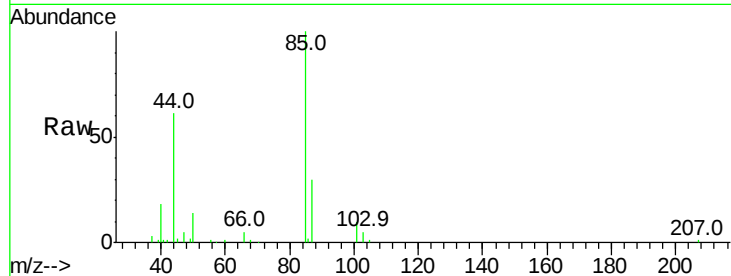
VSTD2.513

Tgt Ion: 85 Resp: 18190

Ion Ratio Lower Upper

85 100

87 31.9 22.4 41.6



#3

Chloromethane

Concen: 3.855 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010761.D

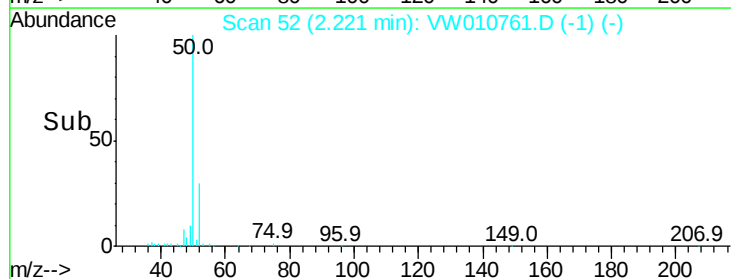
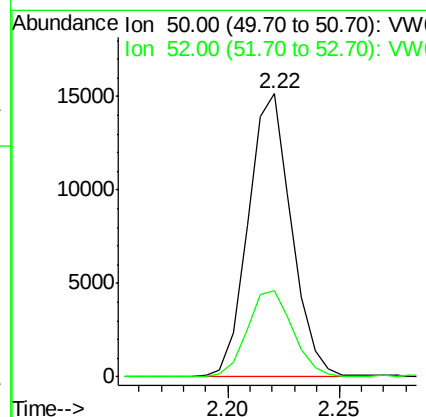
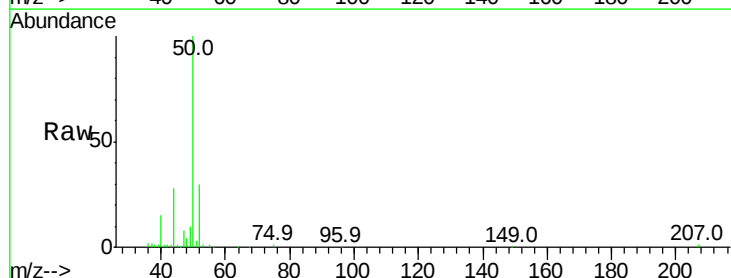
Acq: 11 Jun 2019 10:23

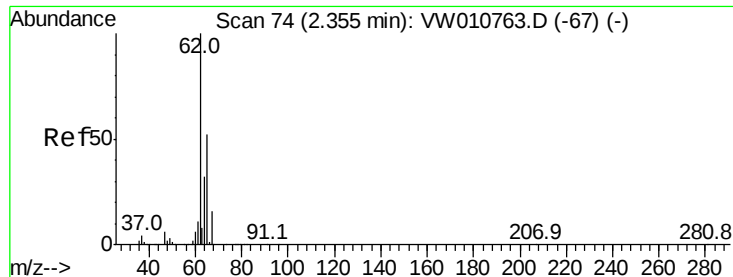
Tgt Ion: 50 Resp: 20504

Ion Ratio Lower Upper

50 100

52 30.4 22.8 42.4





#5

Vinyl chloride

Concen: 3.164 ug/L

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

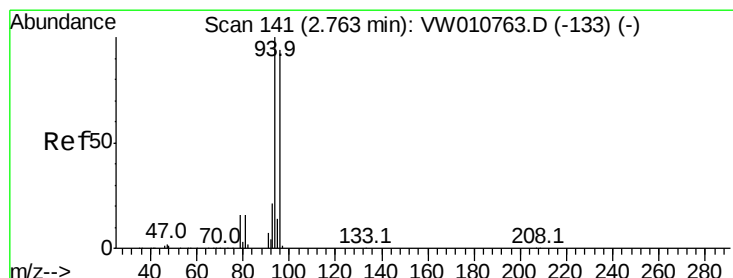
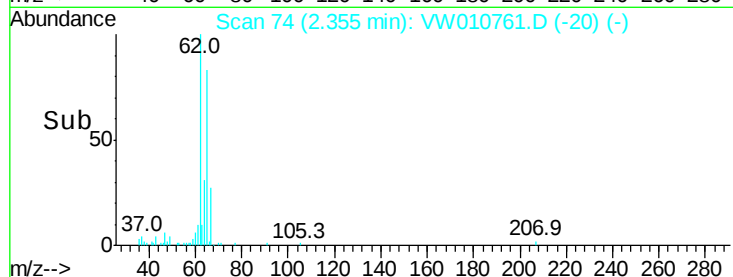
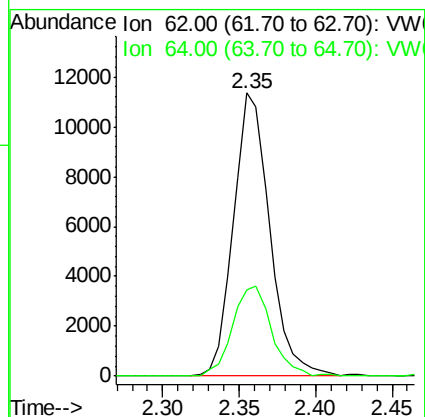
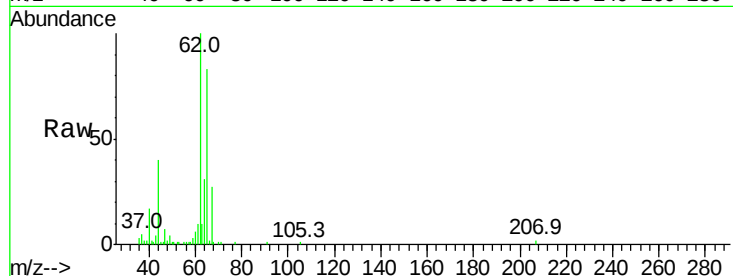
VSTD2.513

Tgt Ion: 62 Resp: 18627

Ion Ratio Lower Upper

62 100

64 30.6 22.4 41.6



#6

Bromomethane

Concen: 2.669 ug/L

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW010761.D

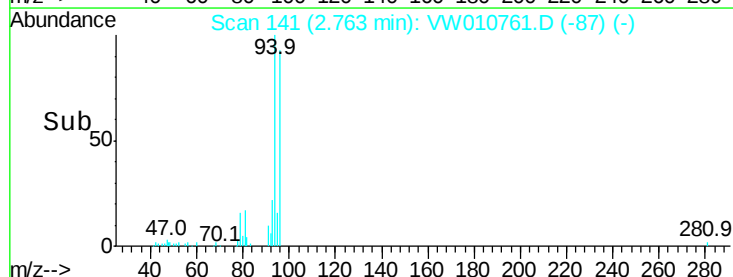
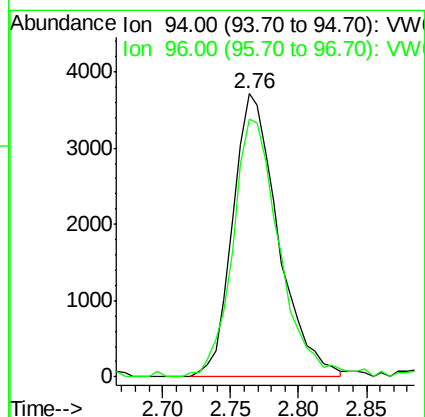
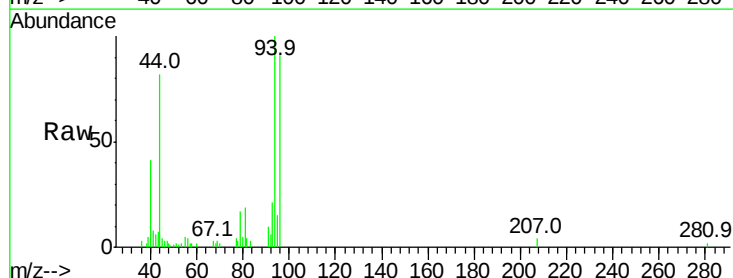
Acq: 11 Jun 2019 10:23

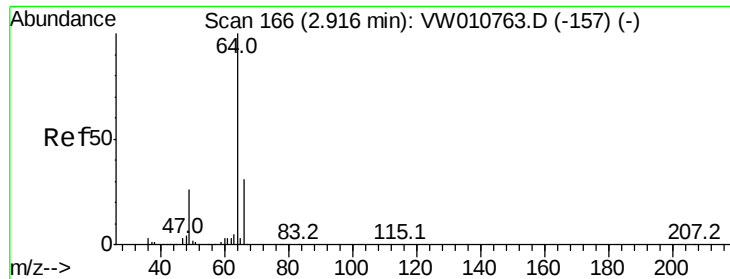
Tgt Ion: 94 Resp: 8654

Ion Ratio Lower Upper

94 100

96 91.6 9.5 180.7





#8

Chloroethane

Concen: 3.354 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

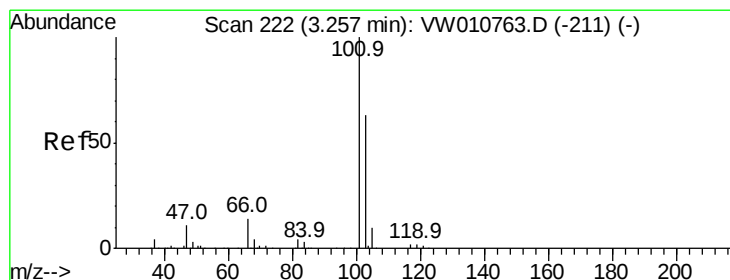
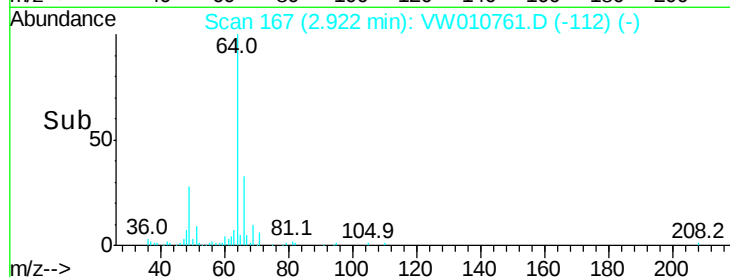
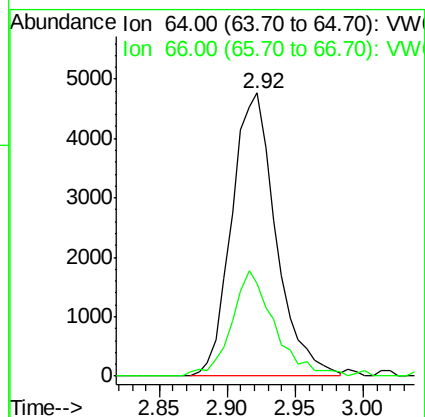
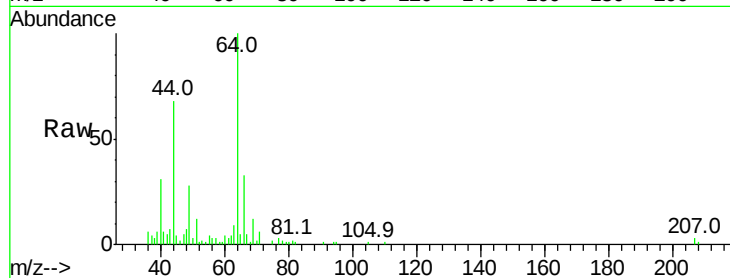
VSTD2.513

Tgt Ion: 64 Resp: 10813

Ion Ratio Lower Upper

64 100

66 32.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 7.974 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW010761.D

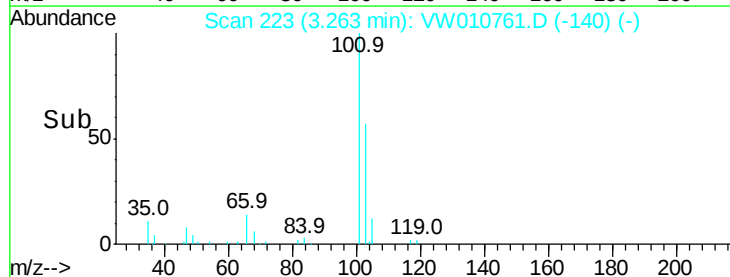
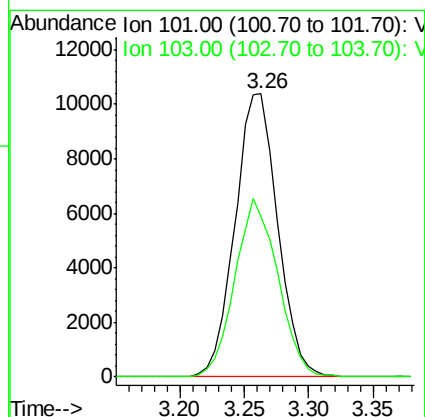
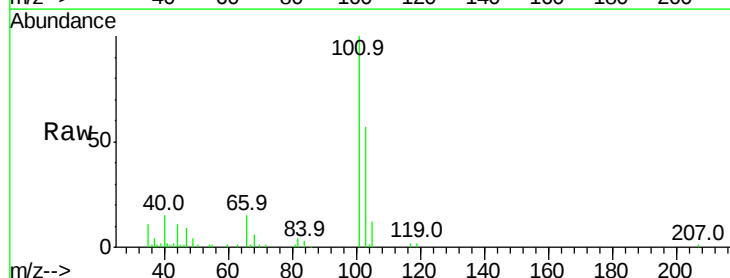
Acq: 11 Jun 2019 10:23

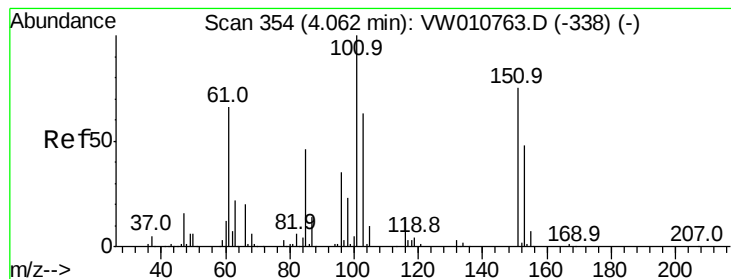
Tgt Ion: 101 Resp: 23871

Ion Ratio Lower Upper

101 100

103 63.3 45.1 83.7





#11

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

Concen: 2.519 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

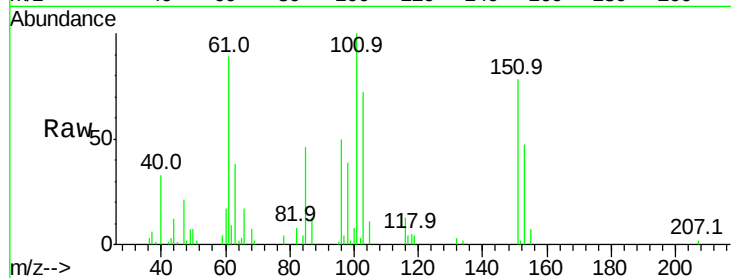
Tgt Ion:101 Resp: 14284

Ion Ratio Lower Upper

101 100

85 46.3 35.9 53.9

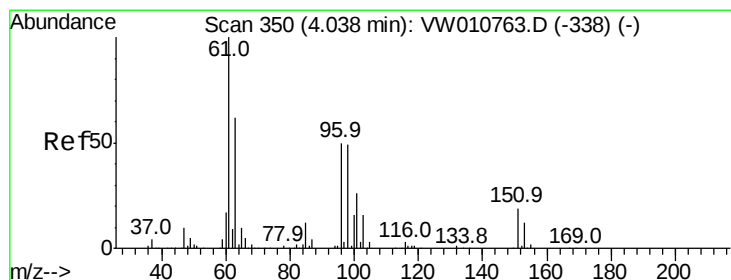
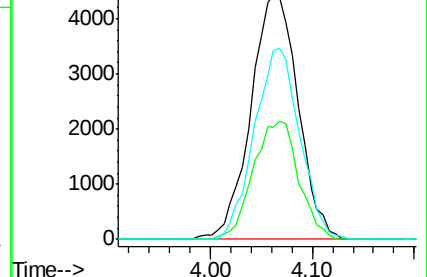
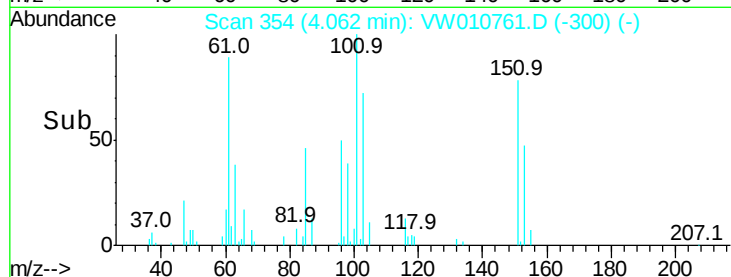
151 74.9 58.6 88.0



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: 2.302 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

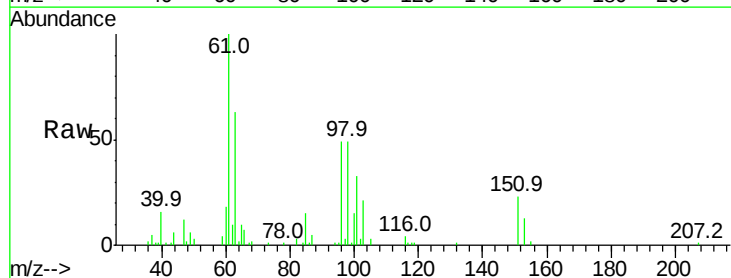
Tgt Ion: 96 Resp: 13165

Ion Ratio Lower Upper

96 100

61 202.4 139.9 259.7

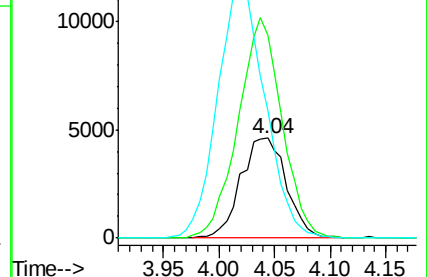
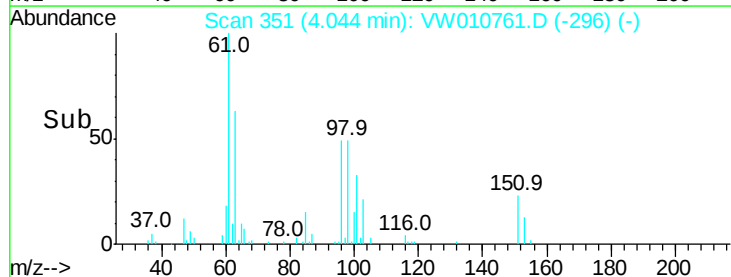
63 126.5 89.2 165.8

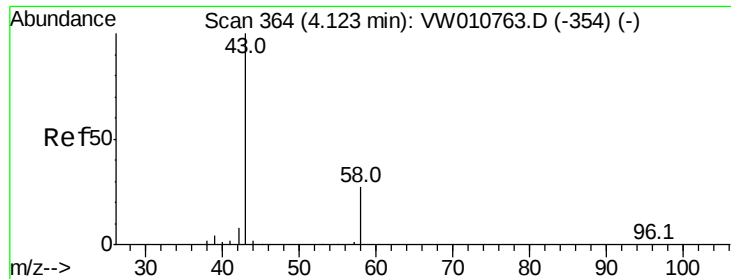


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.141 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

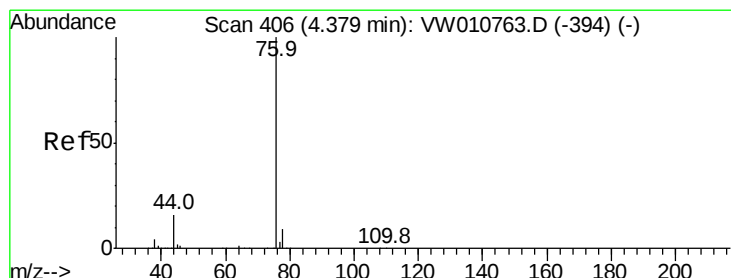
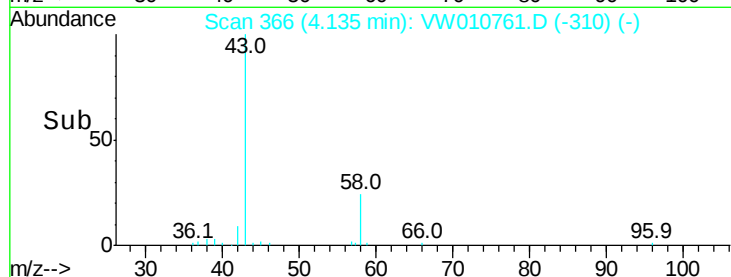
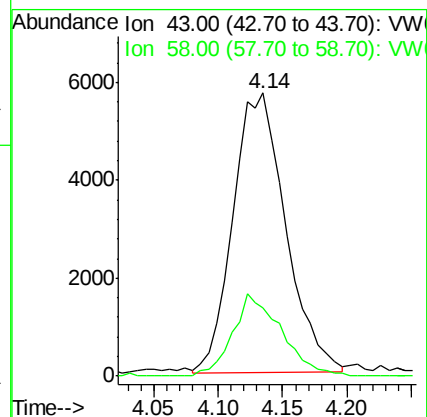
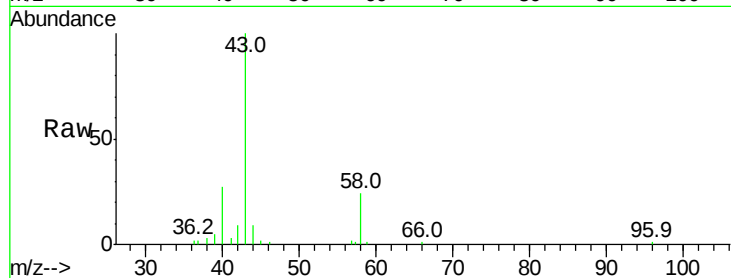
VSTD2.513

Tgt Ion: 43 Resp: 16294

Ion Ratio Lower Upper

43 100

58 27.1 0.0 54.6



#14

Carbon disulfide

Concen: 2.425 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010761.D

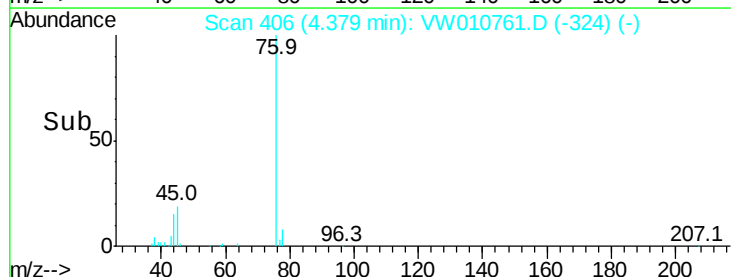
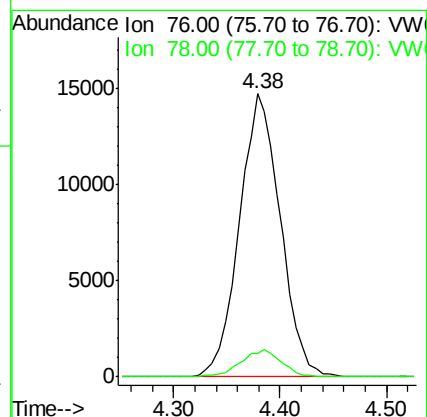
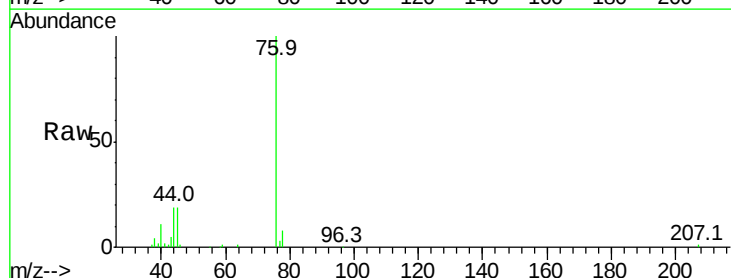
Acq: 11 Jun 2019 10:23

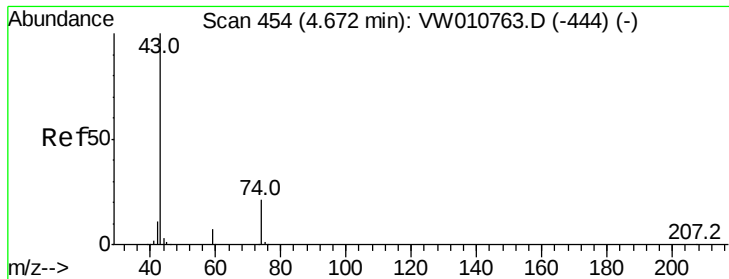
Tgt Ion: 76 Resp: 39754

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4

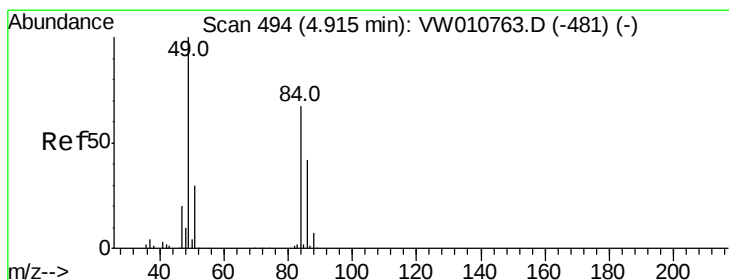
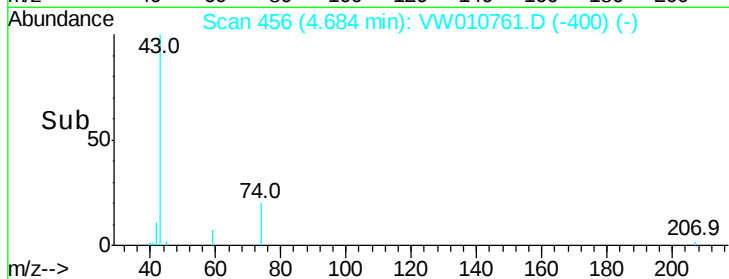
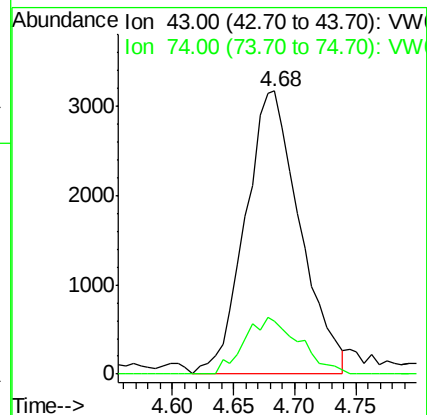
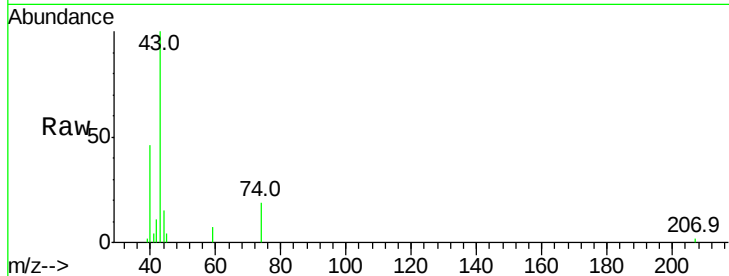




#15
Methyl Acetate
Concen: 2.530 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

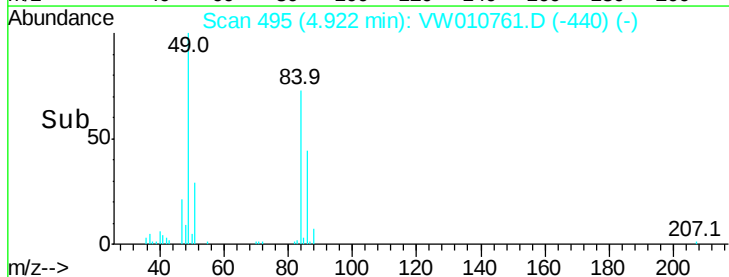
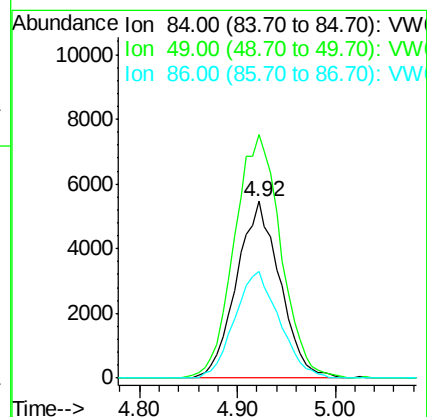
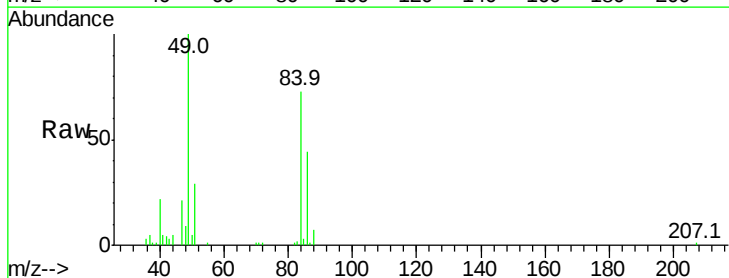
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

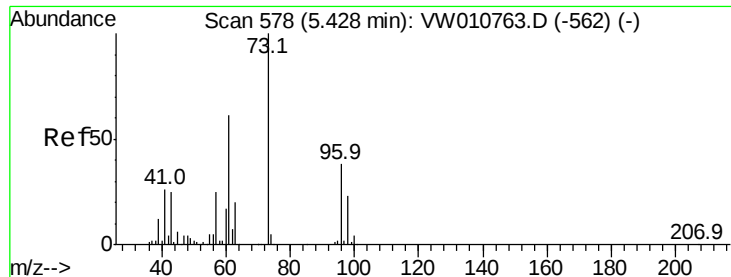
Tgt Ion: 43 Resp: 9878
Ion Ratio Lower Upper
43 100
74 20.2 15.0 22.6



#16
Methylene chloride
Concen: 2.404 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

Tgt Ion: 84 Resp: 16870
Ion Ratio Lower Upper
84 100
49 137.8 105.2 195.4
86 60.2 43.7 81.1

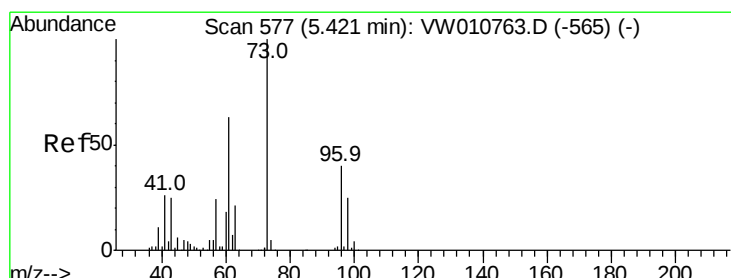
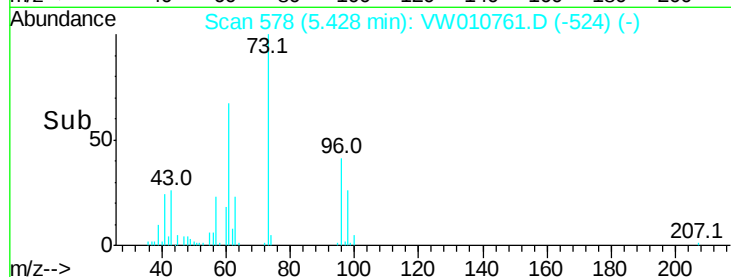
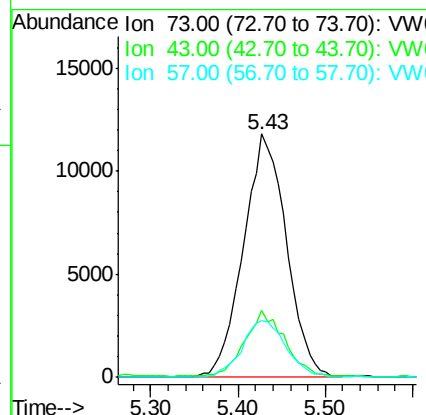
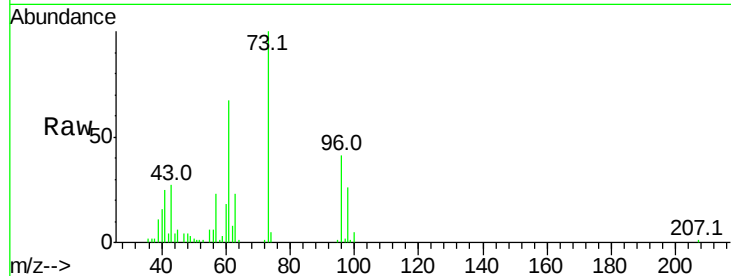




#17
Methyl tert-butyl Ether
Concen: 5.331 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

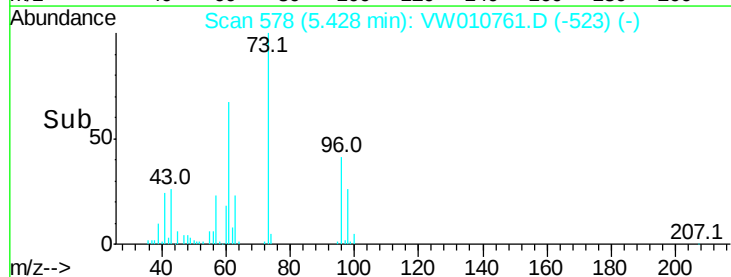
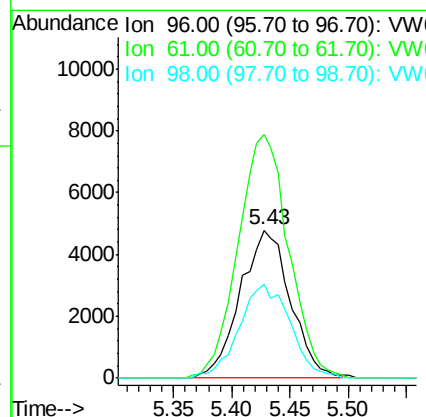
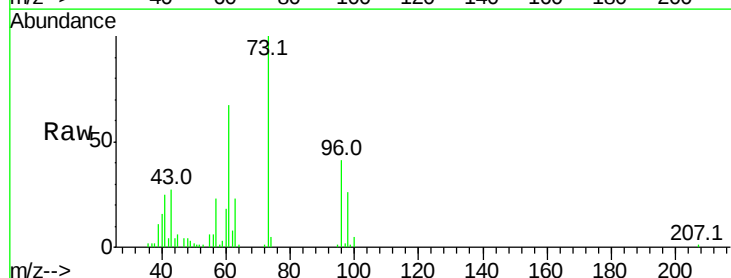
Instrument :
MSVOA_W
ClientSampled :
VSTD2.513

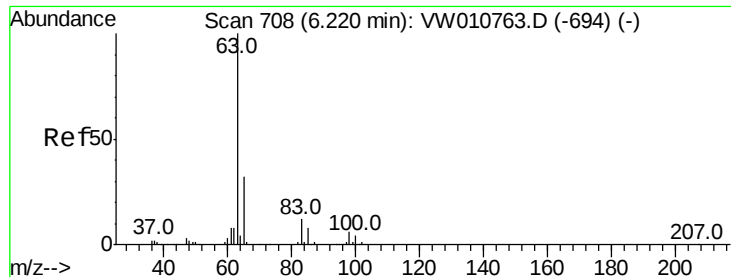
Tgt Ion: 73 Resp: 40345
Ion Ratio Lower Upper
73 100
43 25.1 19.8 29.6
57 23.8 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 2.501 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

Tgt Ion: 96 Resp: 14304
Ion Ratio Lower Upper
96 100
61 164.8 111.5 207.1
98 63.8 44.1 81.9





#19

1,1-Dichloroethane

Concen: 2.577 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

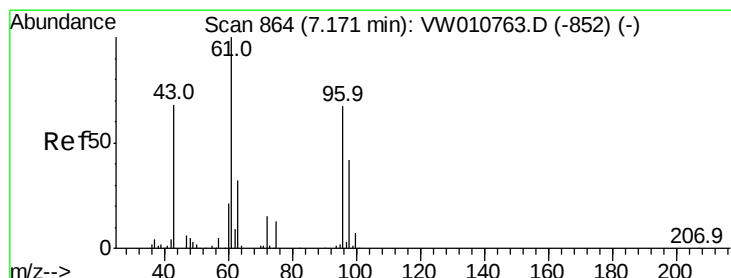
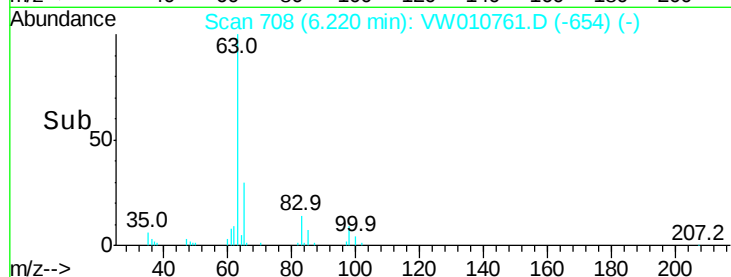
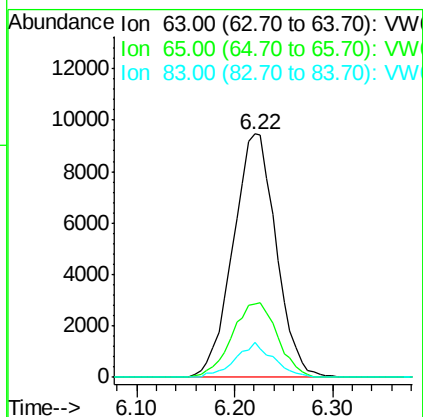
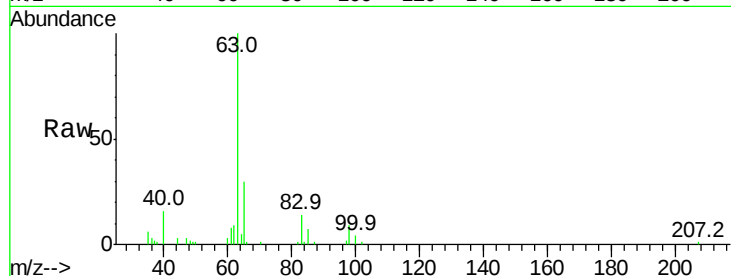
Tgt Ion: 63 Resp: 28940

Ion Ratio Lower Upper

63 100

65 30.1 22.2 41.2

83 14.2 8.6 16.0



#21

2-Butanone

Concen: 7.500 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010761.D

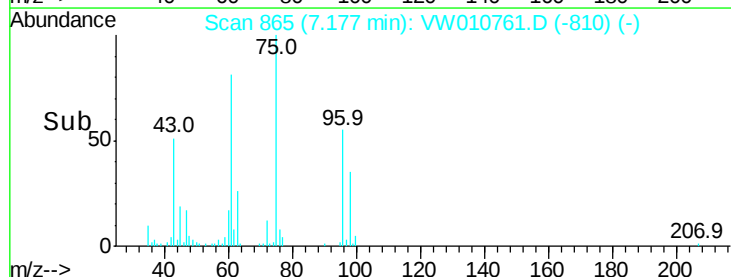
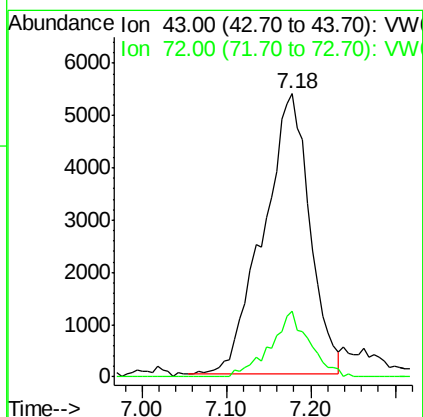
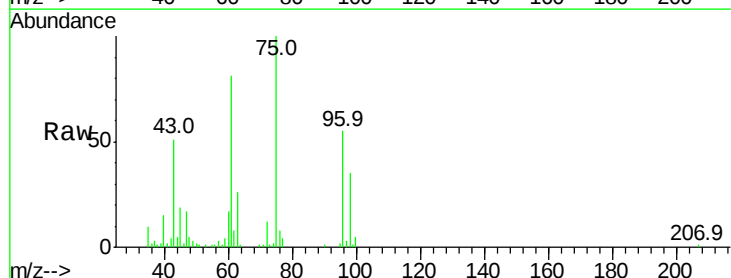
Acq: 11 Jun 2019 10:23

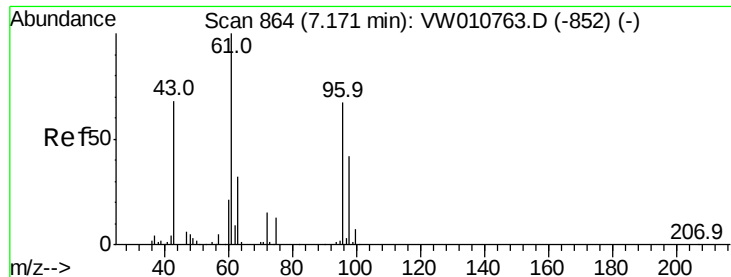
Tgt Ion: 43 Resp: 20396

Ion Ratio Lower Upper

43 100

72 19.1 11.0 33.0





#22

cis-1,2-Dichloroethene

Concen: 2.550 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

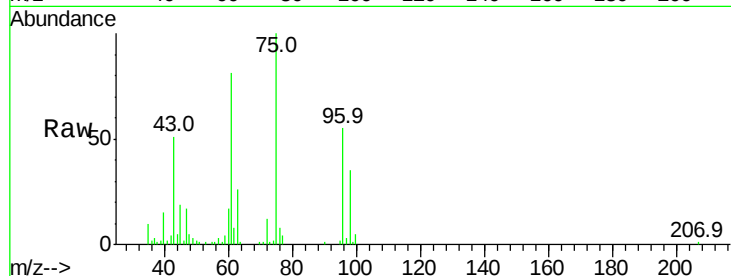
Tgt Ion: 96 Resp: 15779

Ion Ratio Lower Upper

96 100

61 148.7 105.3 195.6

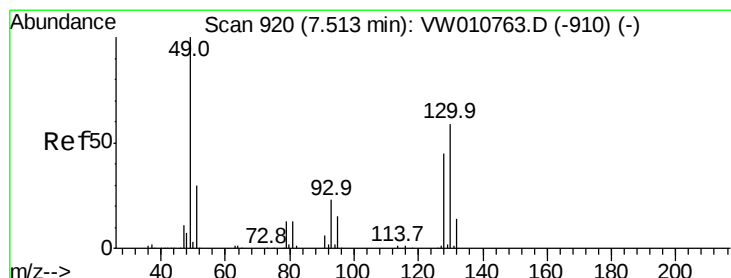
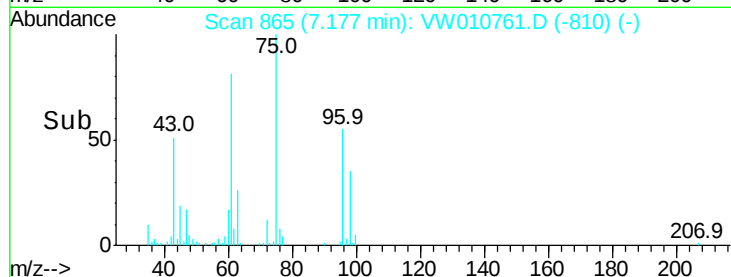
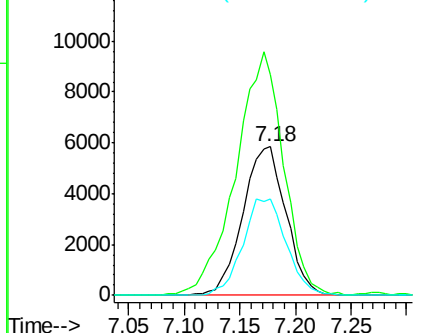
98 64.7 44.6 82.8



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: 2.264 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Tgt Ion: 128 Resp: 6416

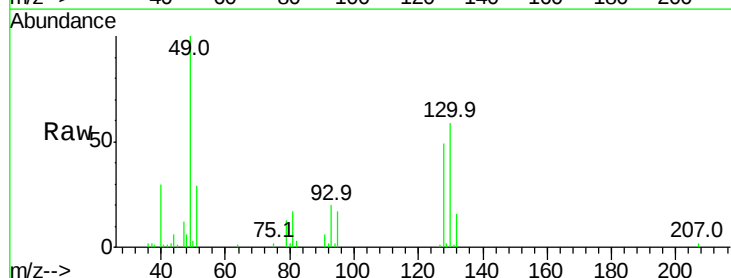
Ion Ratio Lower Upper

128 100

49 204.5 155.1 288.1

130 120.0 91.3 169.6

51 60.2 53.4 80.0

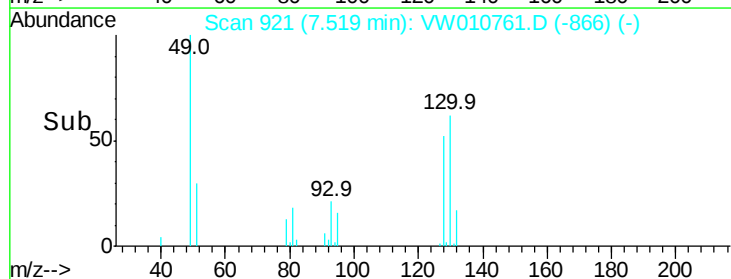
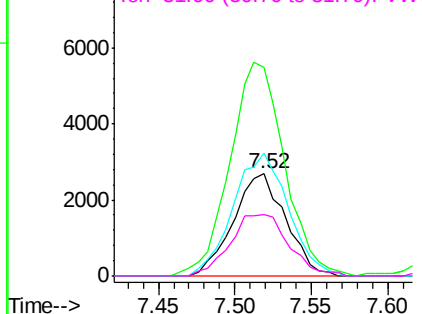


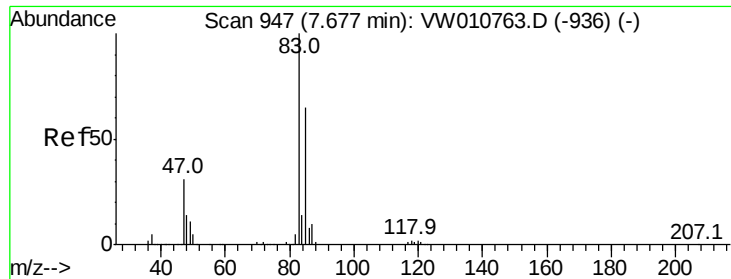
Abundance Ion 128.00 (127.70 to 128.70): V

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: 2.924 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

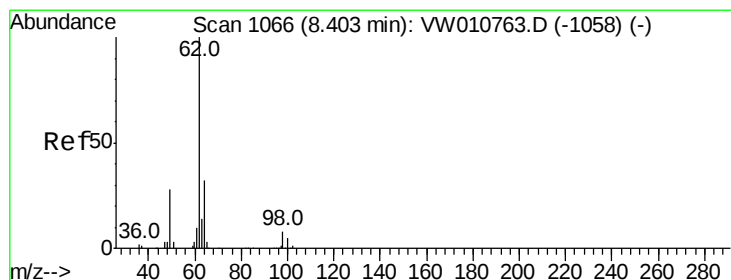
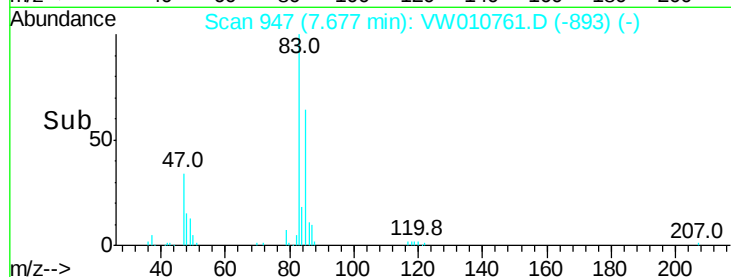
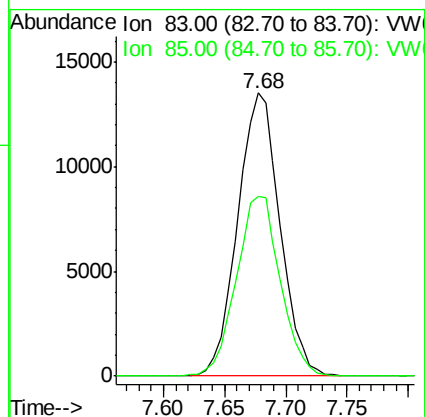
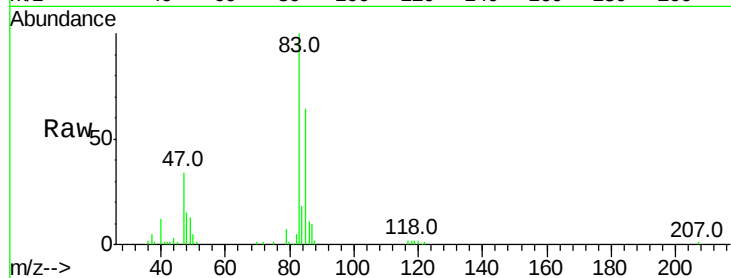
VSTD2.513

Tgt Ion: 83 Resp: 32470

Ion Ratio Lower Upper

83 100

85 66.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 2.591 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW010761.D

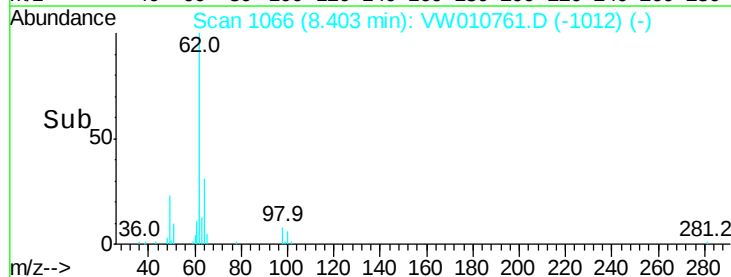
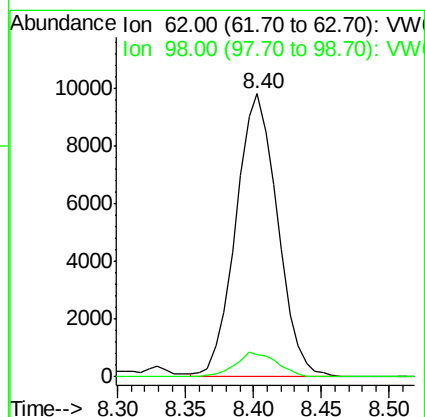
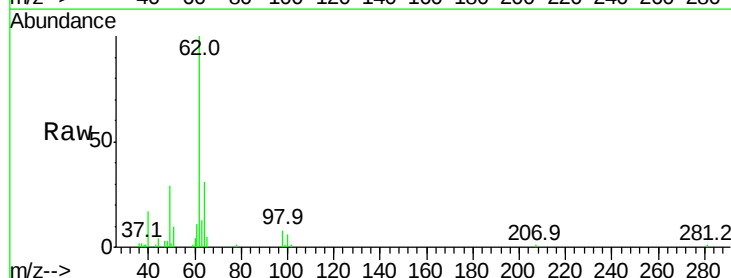
Acq: 11 Jun 2019 10:23

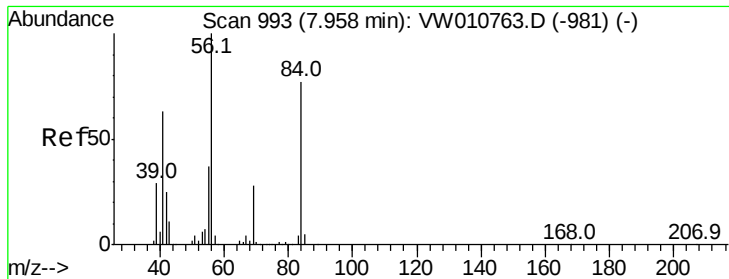
Tgt Ion: 62 Resp: 21057

Ion Ratio Lower Upper

62 100

98 8.0 6.6 10.0

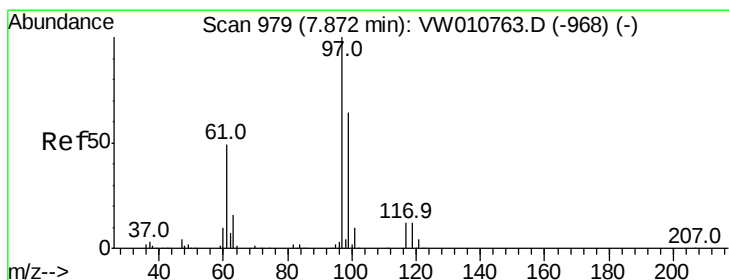
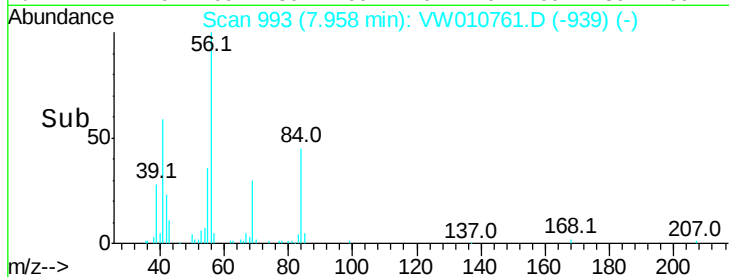
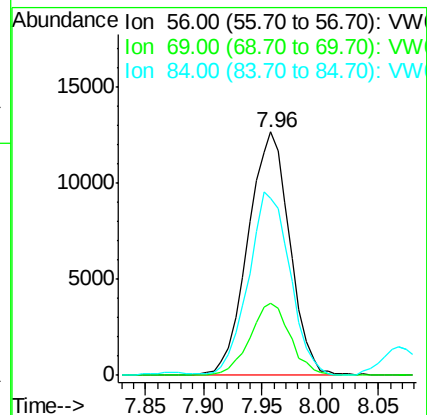
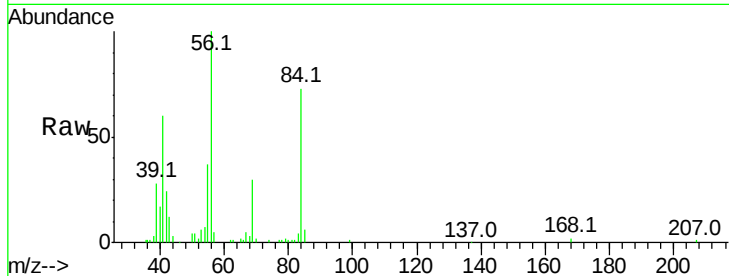




#30
Cyclohexane
Concen: 3.364 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

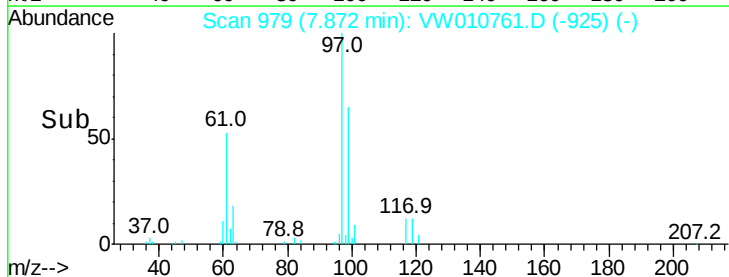
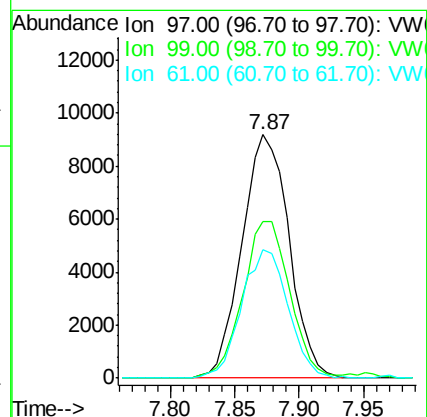
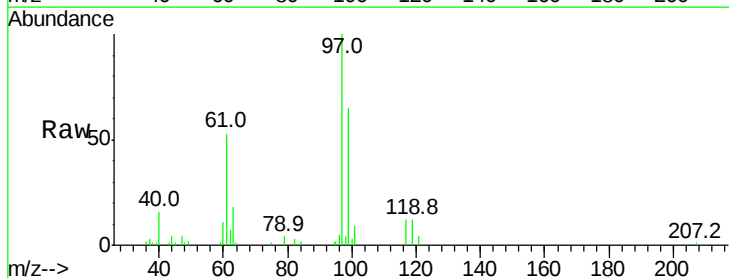
Instrument :
MSVOA_W
ClientSampled :
VSTD2.513

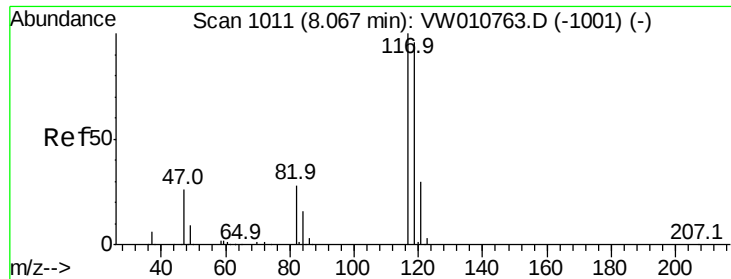
Tgt Ion: 56 Resp: 31661
Ion Ratio Lower Upper
56 100
69 28.3 22.6 33.8
84 75.0 61.1 91.7



#31
1,1,1-Trichloroethane
Concen: 2.956 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

Tgt Ion: 97 Resp: 23370
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 51.8 40.4 60.6





#32

Carbon tetrachloride

Concen: 2.255 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

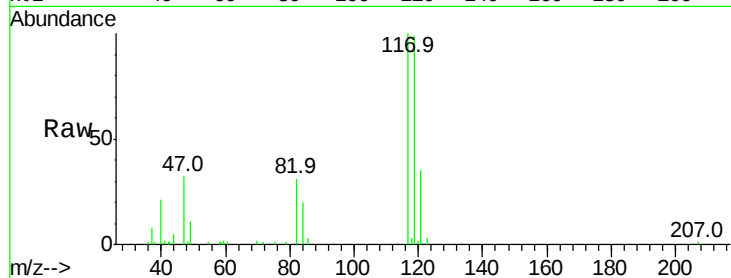
VSTD2.513

Tgt Ion:117 Resp: 18362

Ion Ratio Lower Upper

117 100

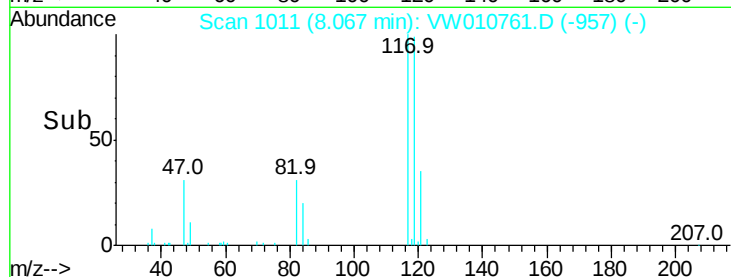
119 100.4 77.0 115.4



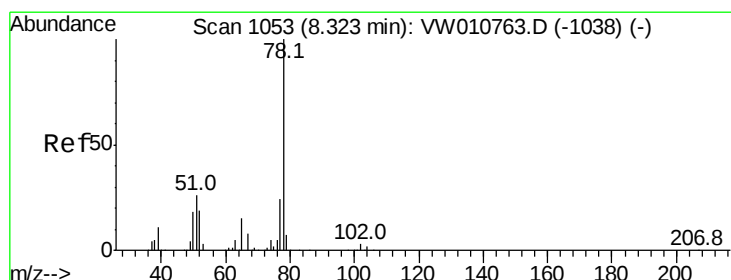
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



Time-->



#34

Benzene

Concen: 2.636 ug/L

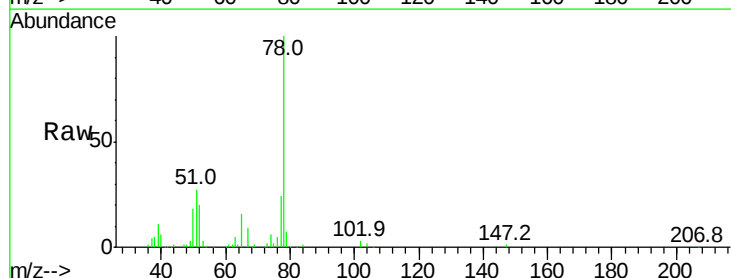
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010761.D

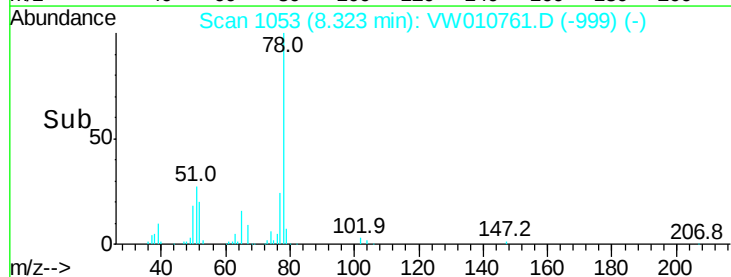
Acq: 11 Jun 2019 10:23

Tgt Ion: 78 Resp: 61171

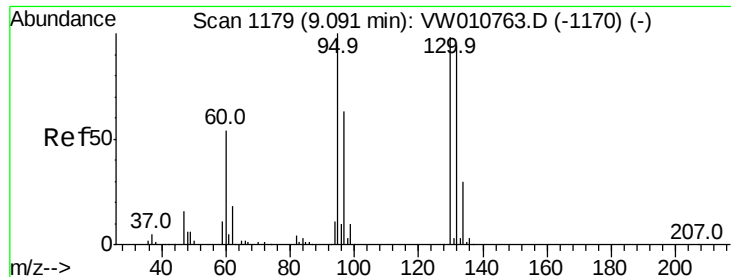


Abundance Ion 78.00 (77.70 to 78.70): VW

8.32



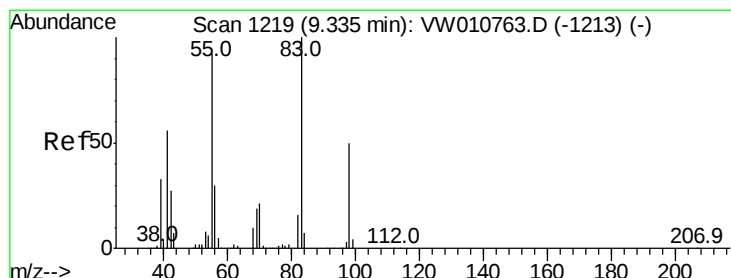
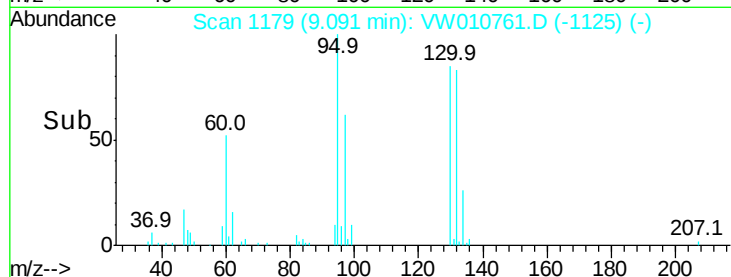
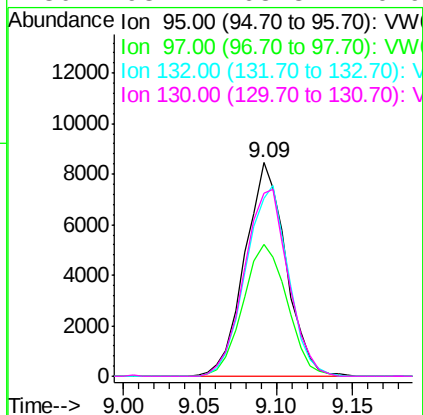
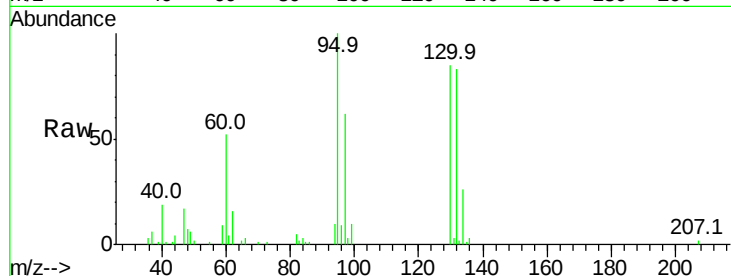
Time-->



#35
 Trichloroethene
 Concen: 2.642 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

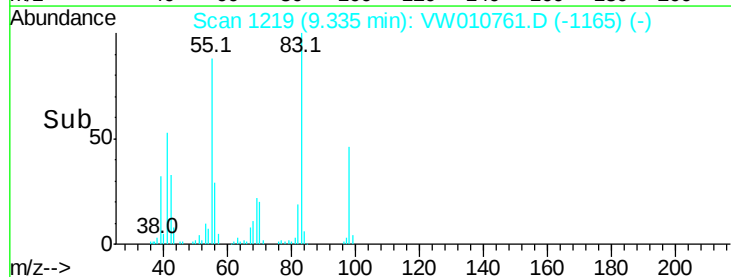
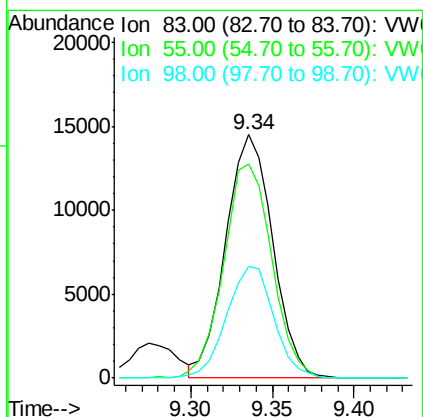
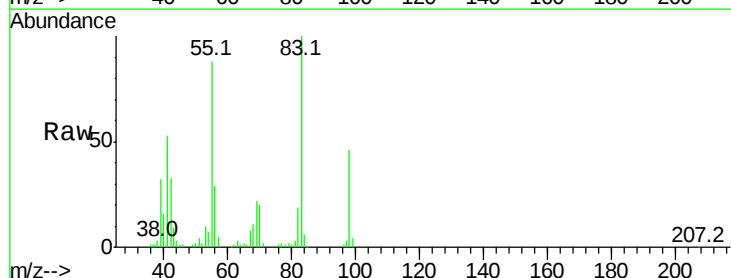
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

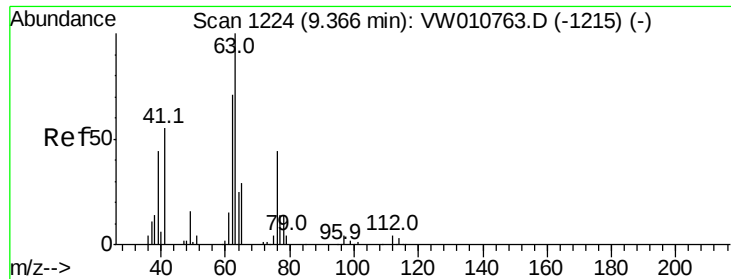
Tgt Ion:	95	Resp:	15841
Ion	Ratio	Lower	Upper
95	100		
97	65.9	45.4	84.2
132	92.2	65.0	120.6
130	93.4	68.3	126.9



#36
 Methylcyclohexane
 Concen: 2.901 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

Tgt Ion:	83	Resp:	29182
Ion	Ratio	Lower	Upper
83	100		
55	90.2	71.6	107.4
98	46.2	38.2	57.2





#40

1,2-Dichloropropane

Concen: 2.784 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

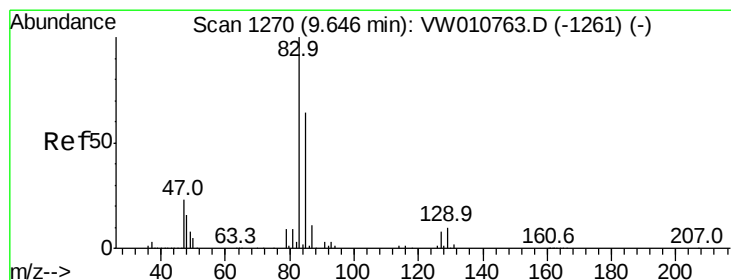
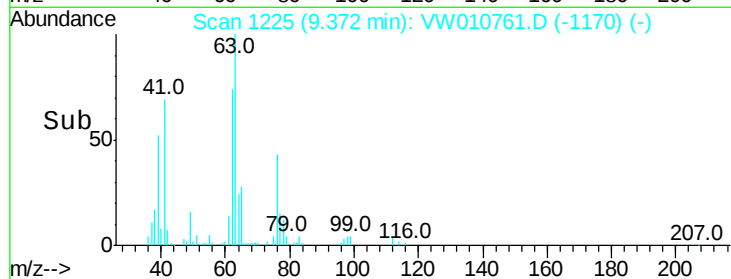
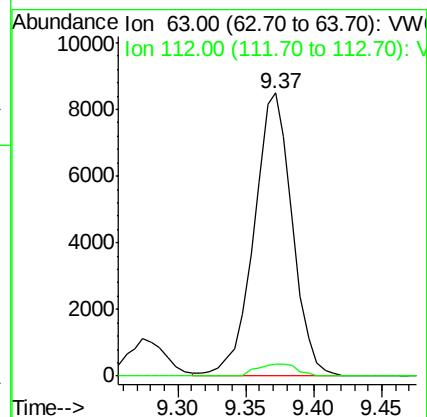
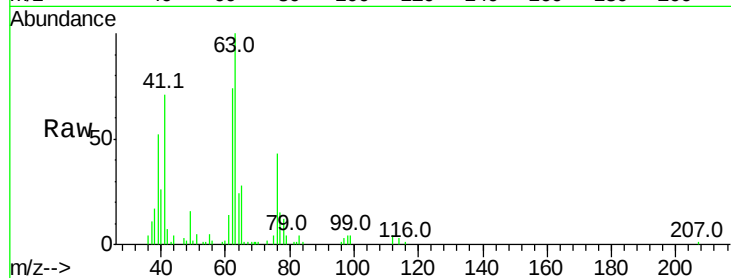
VSTD2.513

Tgt Ion: 63 Resp: 16772

Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



#41

Bromodichloromethane

Concen: 2.273 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

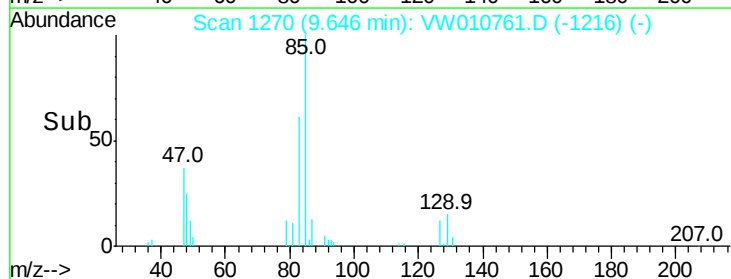
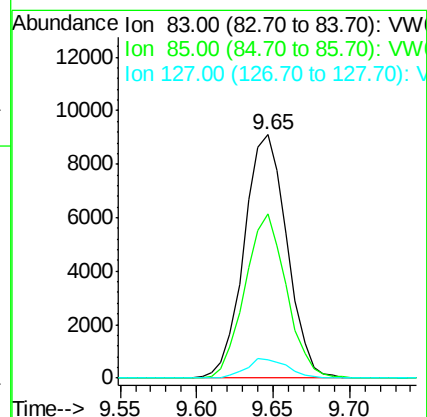
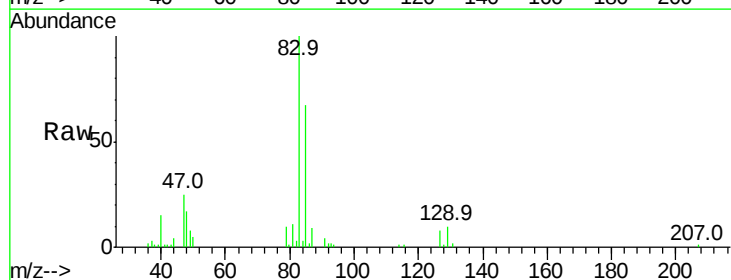
Tgt Ion: 83 Resp: 17728

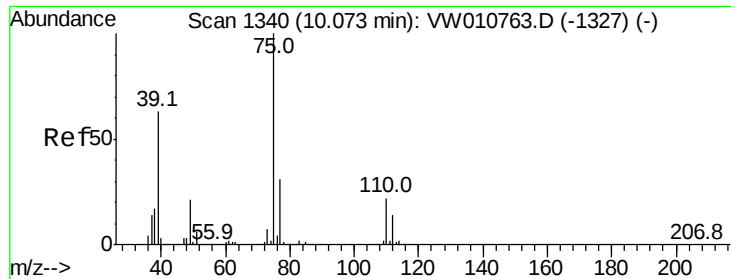
Ion Ratio Lower Upper

83 100

85 67.4 44.7 82.9

127 7.8 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 2.649 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

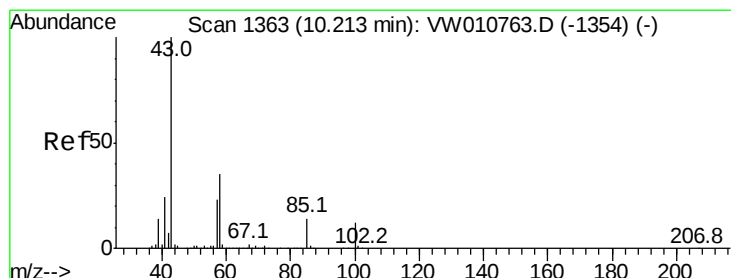
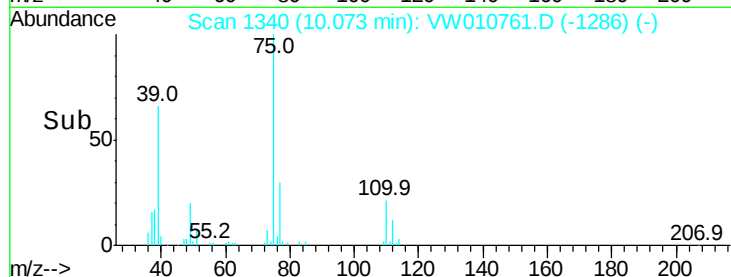
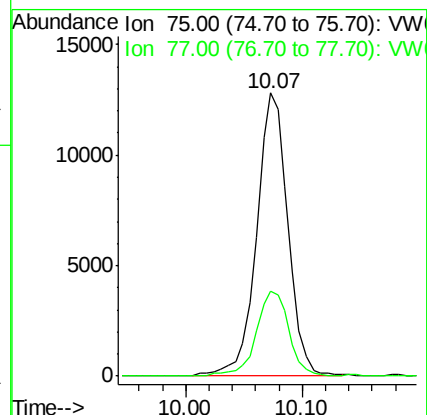
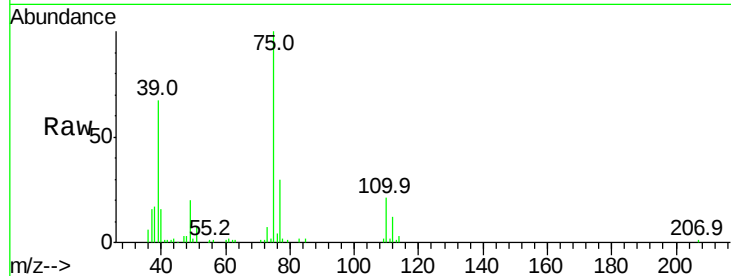
VSTD2.513

Tgt Ion: 75 Resp: 24040

Ion Ratio Lower Upper

75 100

77 30.0 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 5.654 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

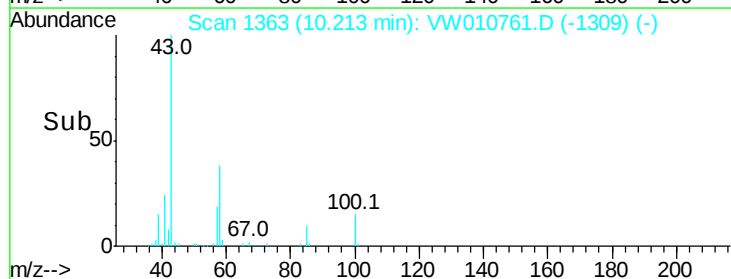
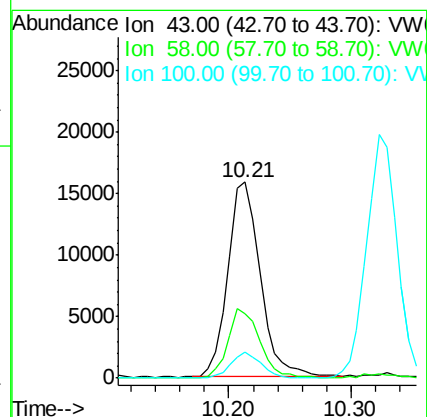
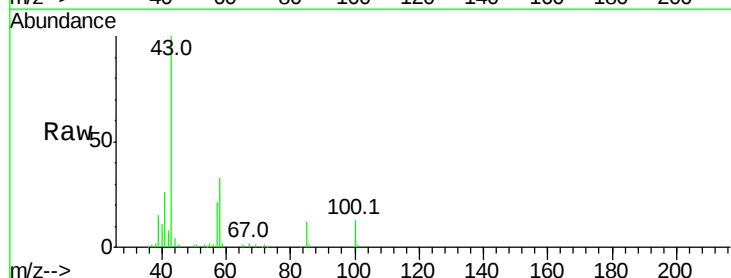
Tgt Ion: 43 Resp: 29057

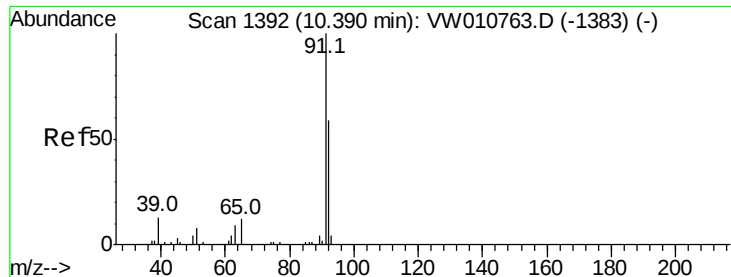
Ion Ratio Lower Upper

43 100

58 35.4 28.0 42.0

100 12.4 9.8 14.6





#44

Toluene

Concen: 2.678 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

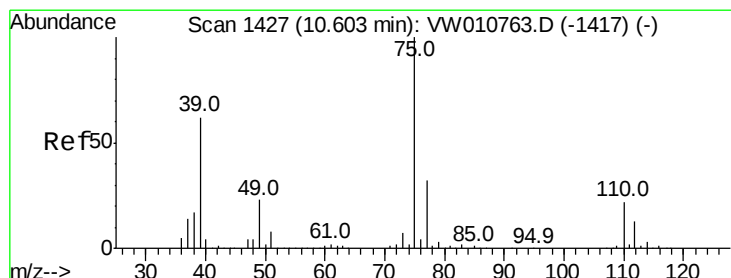
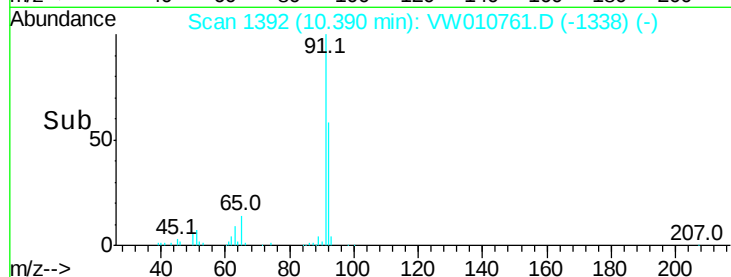
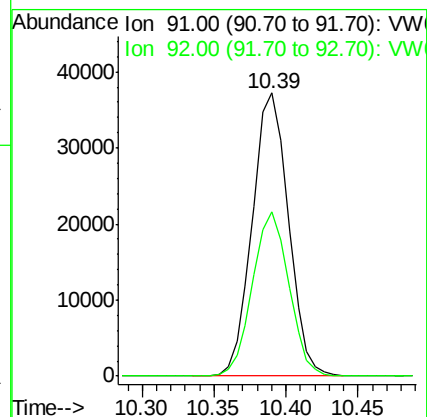
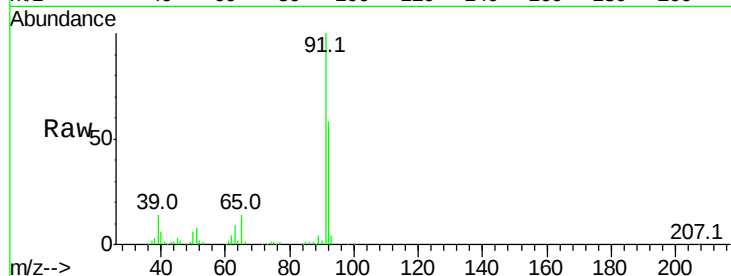
VSTD2.513

Tgt Ion: 91 Resp: 64694

Ion Ratio Lower Upper

91 100

92 58.0 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 2.435 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010761.D

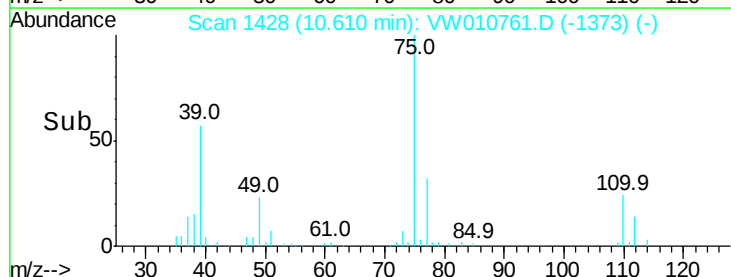
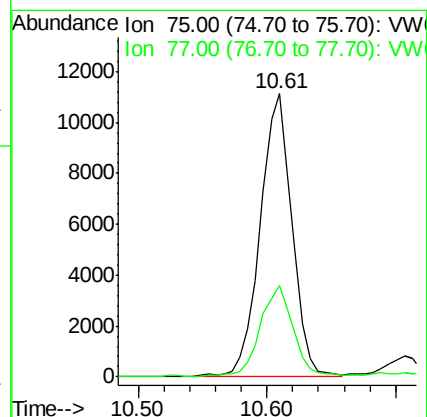
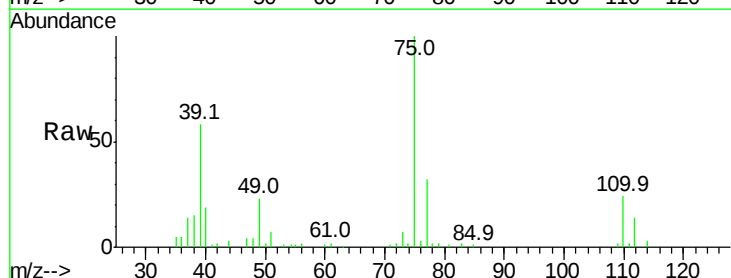
Acq: 11 Jun 2019 10:23

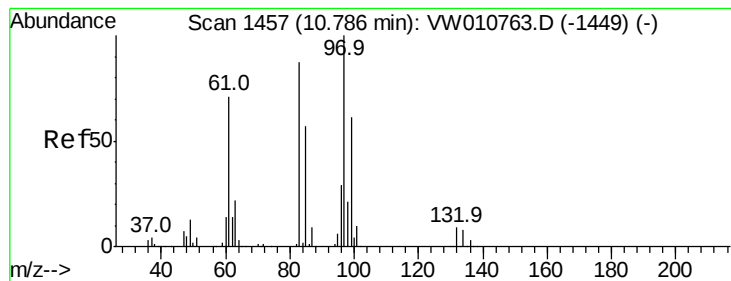
Tgt Ion: 75 Resp: 19008

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 2.492 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD2.513

Tgt Ion: 97 Resp: 11433

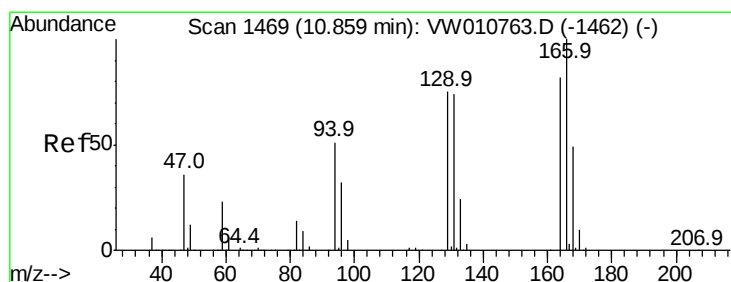
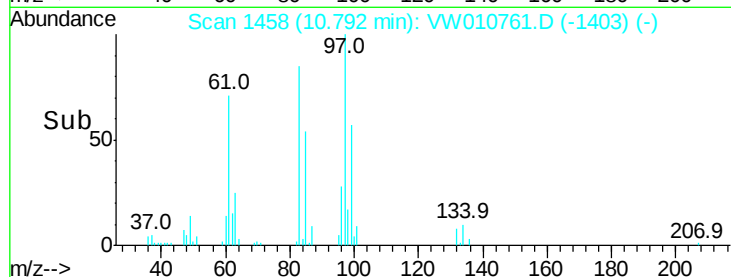
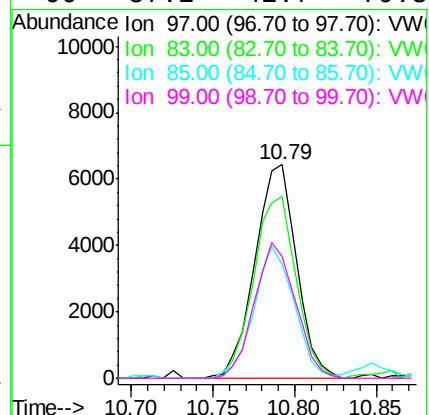
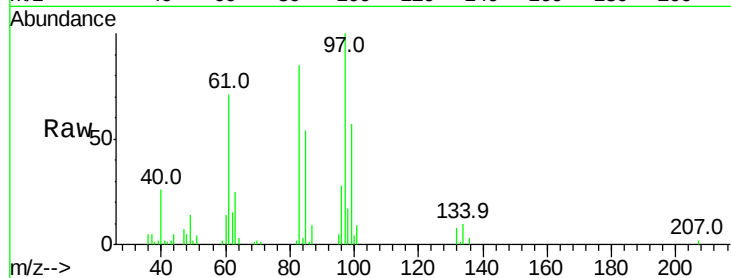
Ion Ratio Lower Upper

97 100

83 85.0 60.8 113.0

85 53.5 39.8 73.8

99 57.2 42.7 79.3



#47

Tetrachloroethene

Concen: 2.671 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Tgt Ion: 164 Resp: 12329

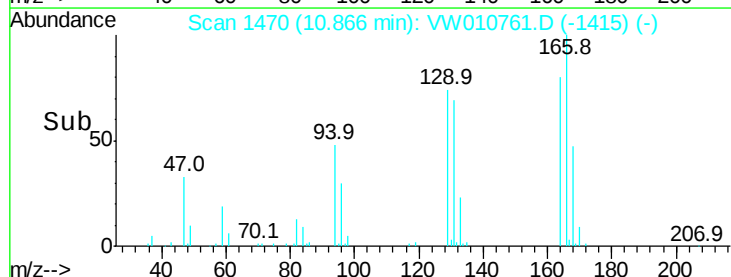
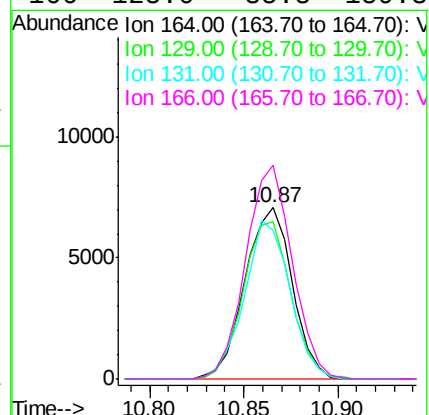
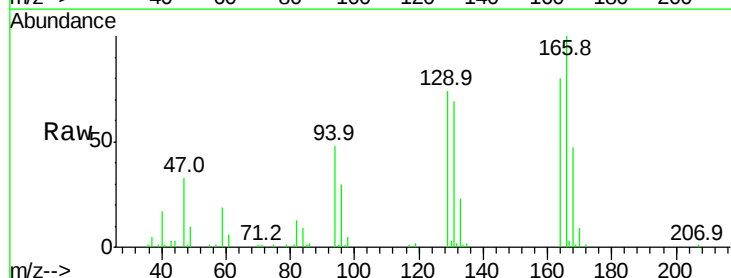
Ion Ratio Lower Upper

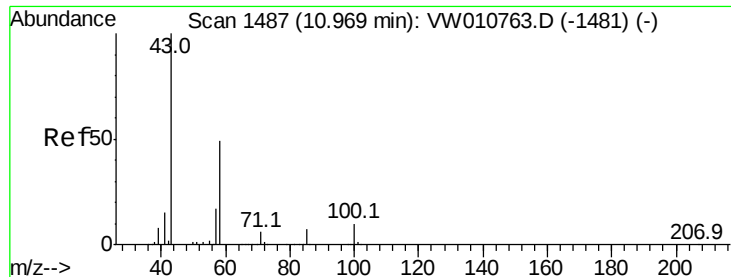
164 100

129 92.1 64.5 119.7

131 86.8 63.6 118.0

166 125.0 85.8 159.3





#49

2-Hexanone

Concen: 5.365 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

Tgt Ion: 43 Resp: 20342

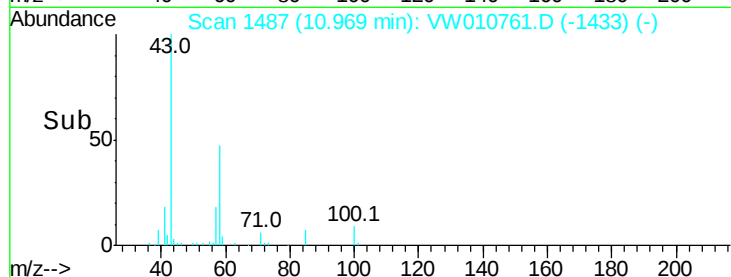
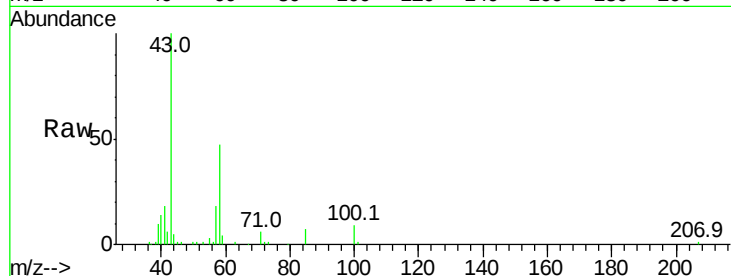
Ion Ratio Lower Upper

43 100

58 50.0 39.5 59.3

57 17.7 13.8 20.8

100 10.0 7.6 11.4

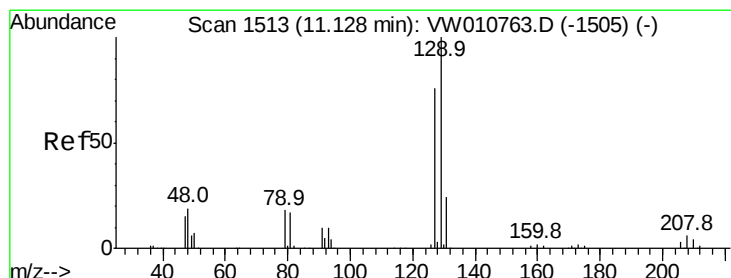
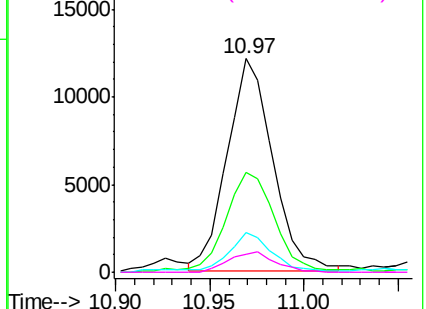


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.209 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010761.D

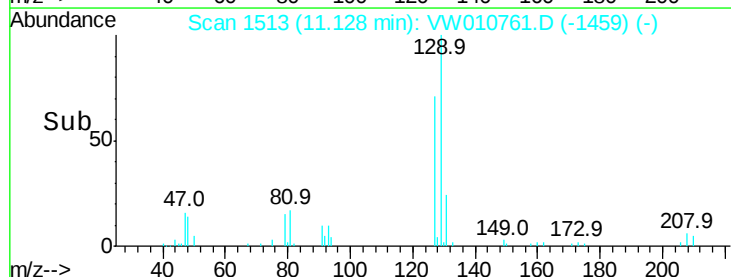
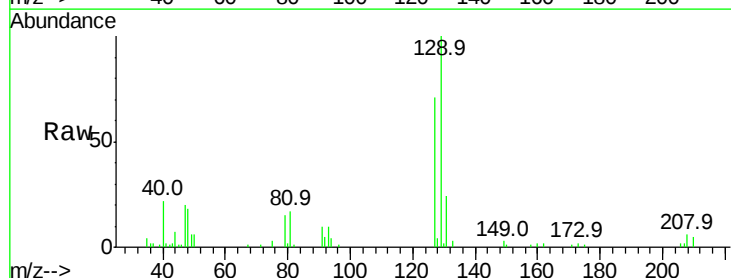
Acq: 11 Jun 2019 10:23

Tgt Ion: 129 Resp: 11641

Ion Ratio Lower Upper

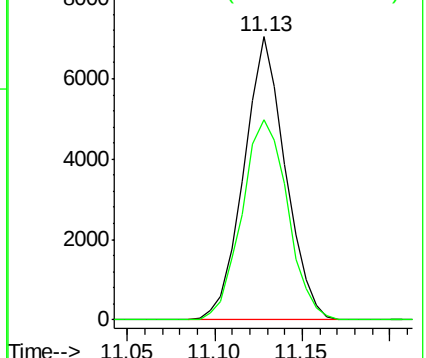
129 100

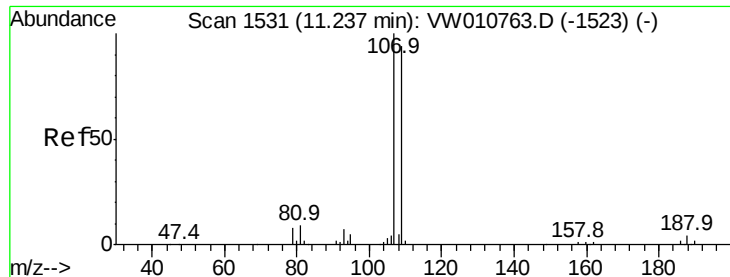
127 70.6 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

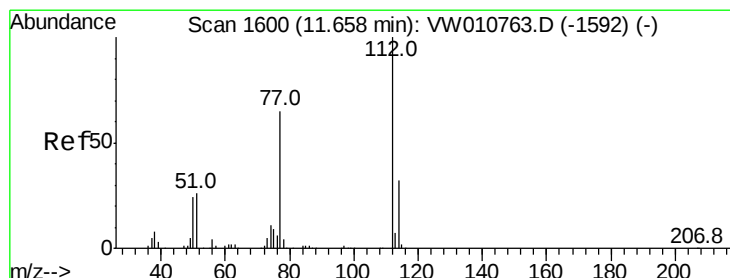
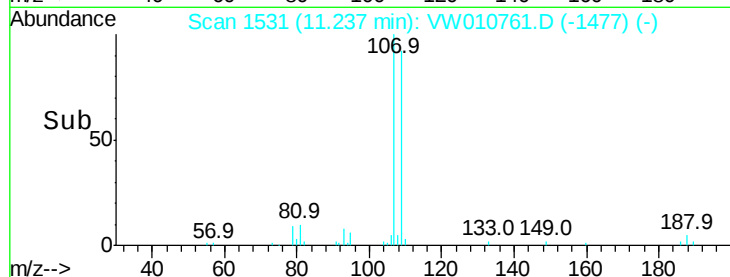
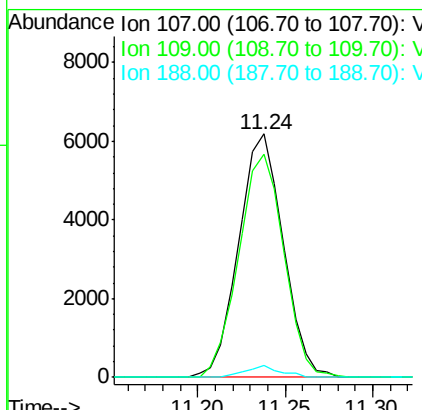
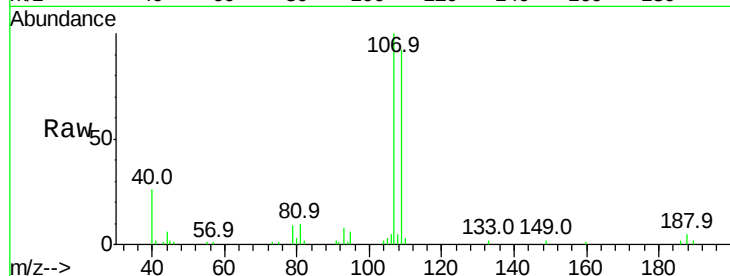




#51
1,2-Dibromoethane
Concen: 2.450 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

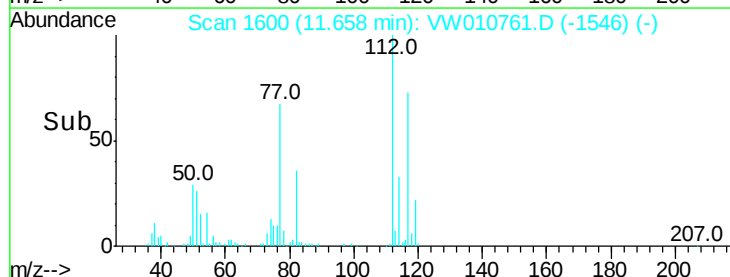
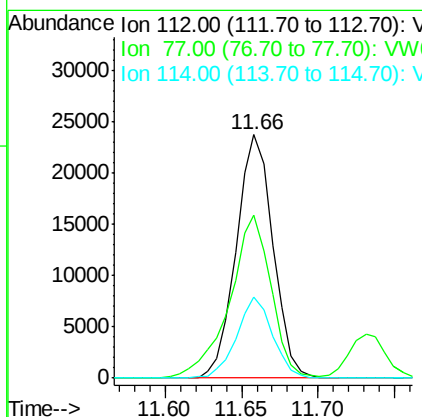
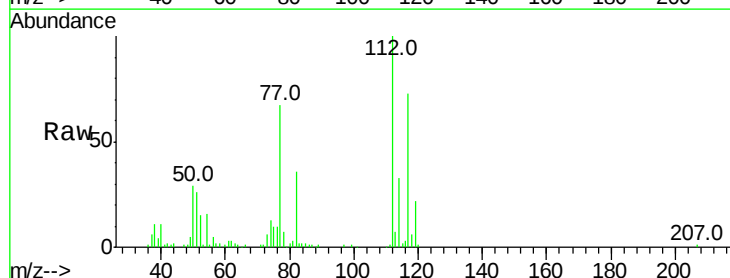
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

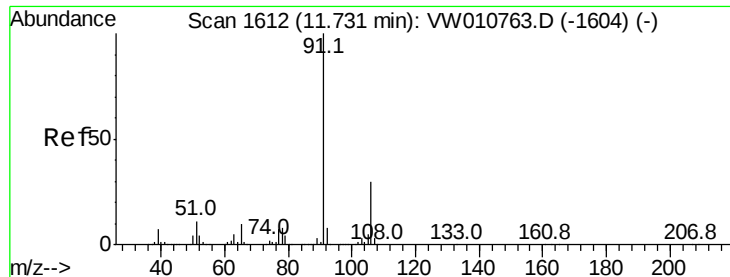
Tgt Ion:107 Resp: 10970
Ion Ratio Lower Upper
107 100
109 91.6 66.0 122.6
188 4.7 3.1 4.7



#52
Chlorobenzene
Concen: 2.565 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

Tgt Ion:112 Resp: 39685
Ion Ratio Lower Upper
112 100
77 66.9 51.8 77.8
114 33.5 22.1 41.1





#53

Ethylbenzene

Concen: 2.707 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

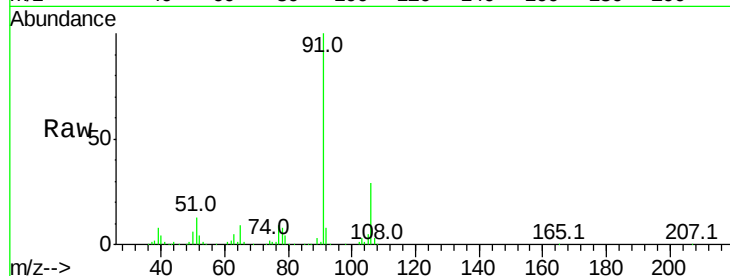
VSTD2.513

Tgt Ion: 91 Resp: 73000

Ion Ratio Lower Upper

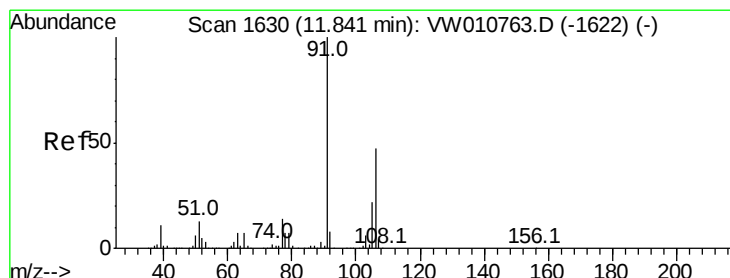
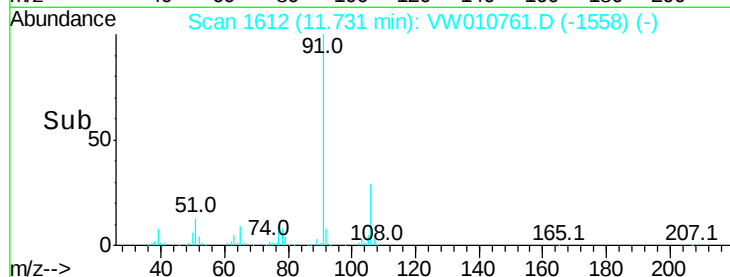
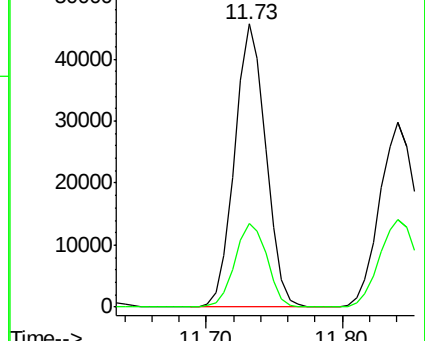
91 100

106 29.4 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 2.693 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010761.D

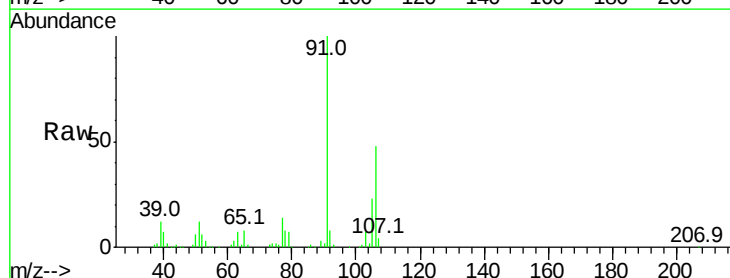
Acq: 11 Jun 2019 10:23

Tgt Ion: 106 Resp: 26758

Ion Ratio Lower Upper

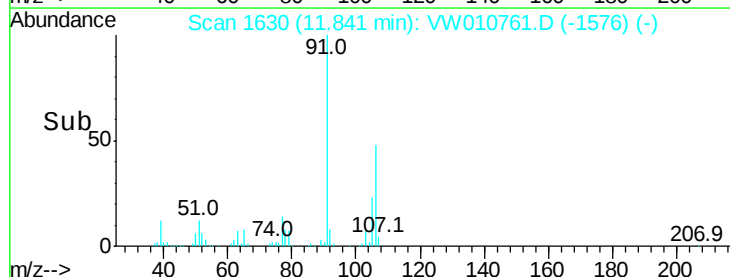
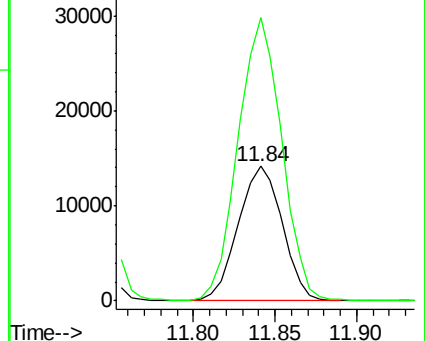
106 100

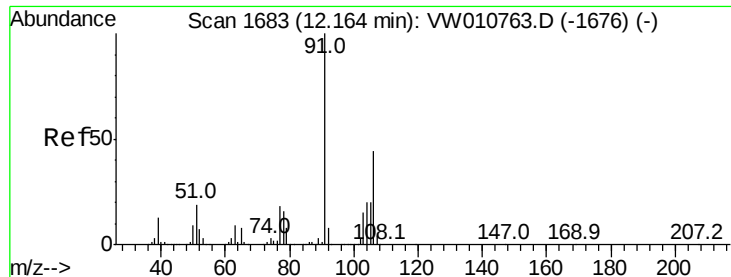
91 210.0 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

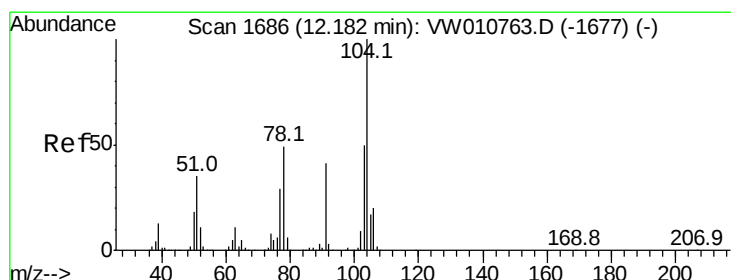
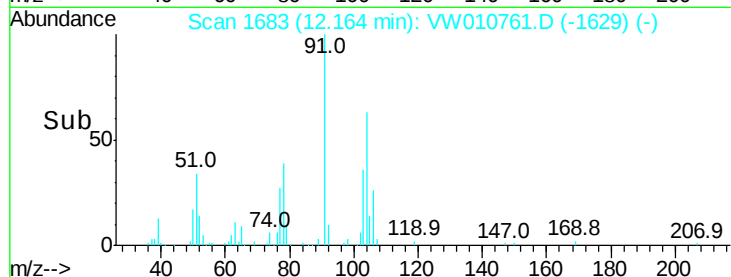
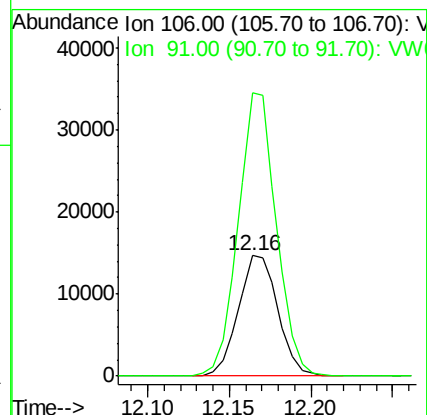
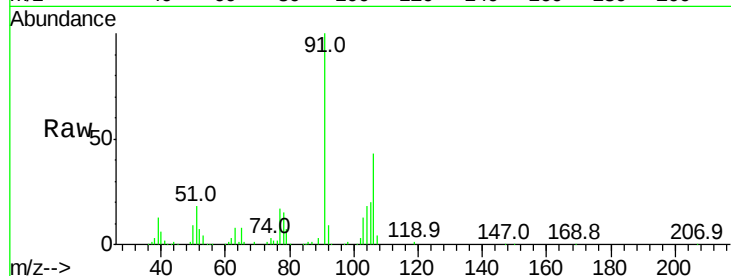




#55
o-xylene
Concen: 2.633 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

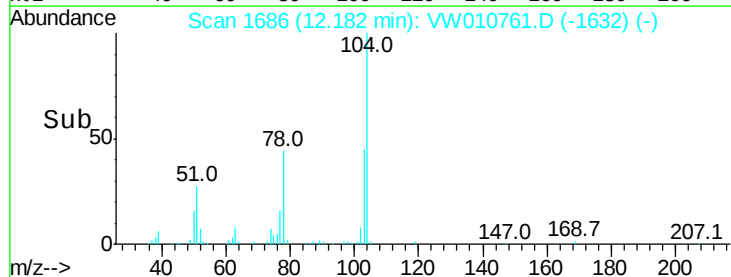
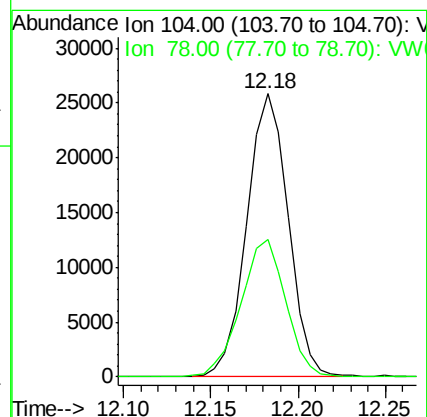
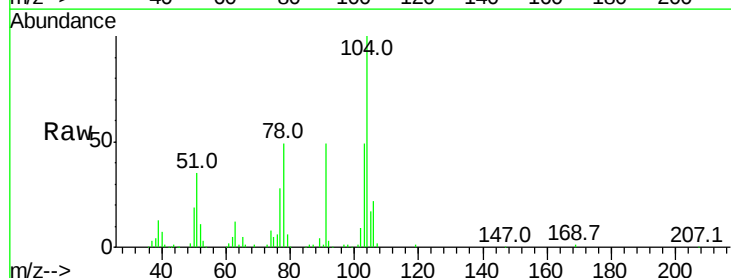
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.513

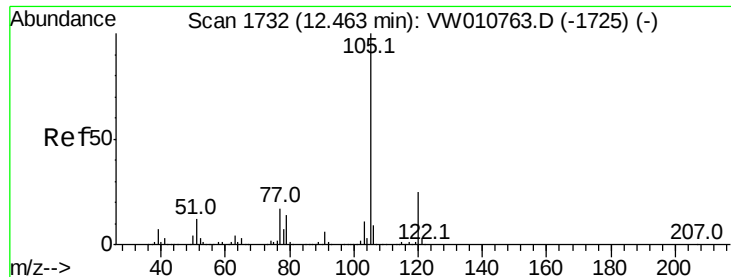
Tgt Ion:106 Resp: 24680
Ion Ratio Lower Upper
106 100
91 235.3 157.8 293.1



#56
Styrene
Concen: 2.607 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010761.D
Acq: 11 Jun 2019 10:23

Tgt Ion:104 Resp: 42613
Ion Ratio Lower Upper
104 100
78 48.7 34.2 63.4





#57

Isopropylbenzene

Concen: 2.709 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD2.513

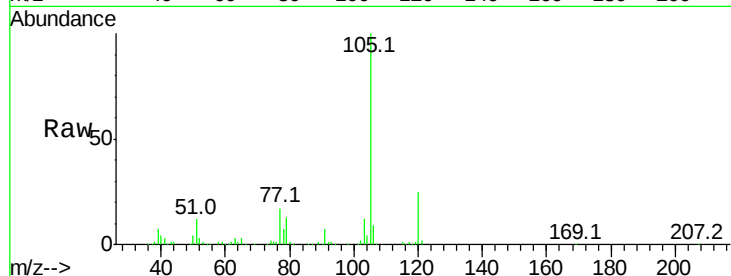
Tgt Ion:105 Resp: 68800

Ion Ratio Lower Upper

105 100

120 24.9 20.5 30.7

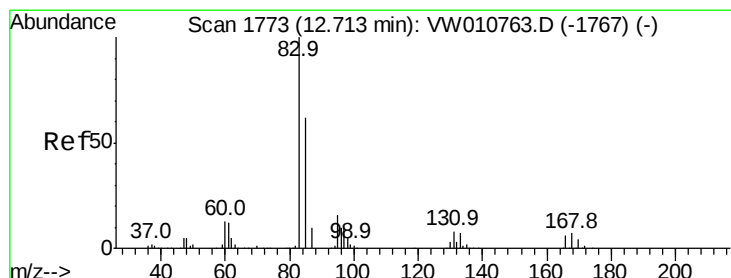
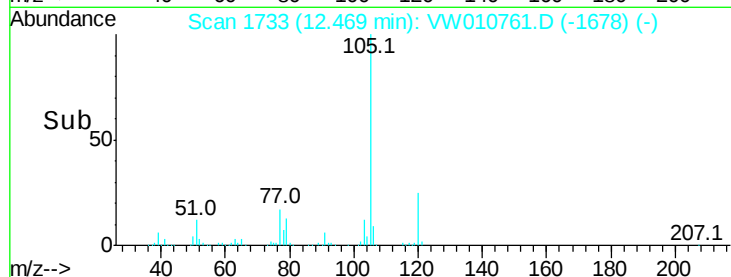
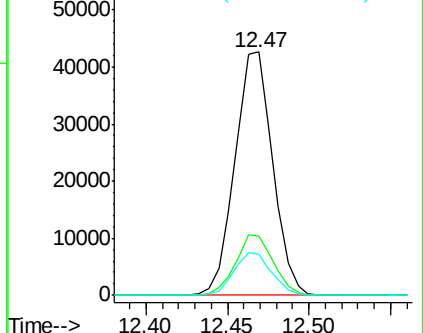
77 17.6 13.6 20.4



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: 2.380 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

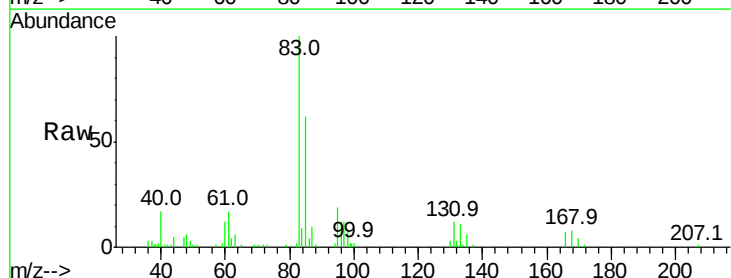
Tgt Ion: 83 Resp: 14641

Ion Ratio Lower Upper

83 100

85 62.5 44.0 81.6

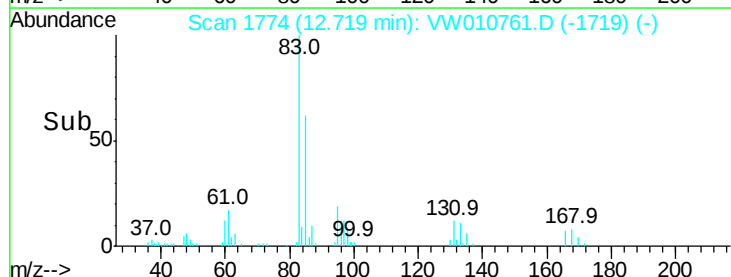
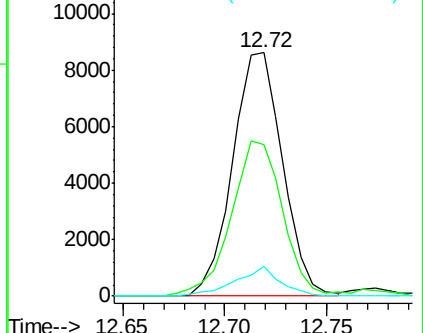
131 12.3 7.0 10.6#

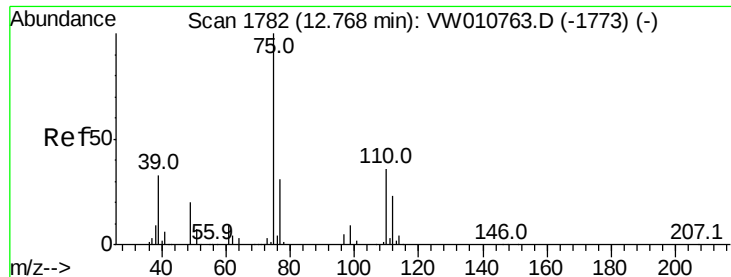


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.547 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

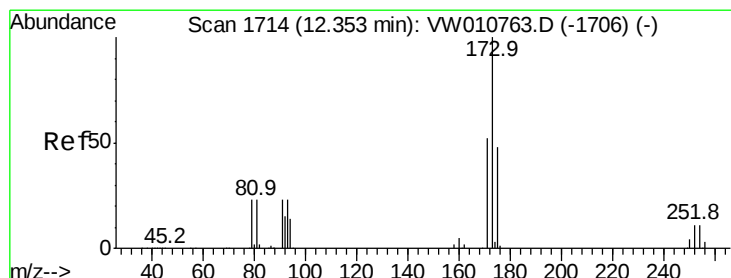
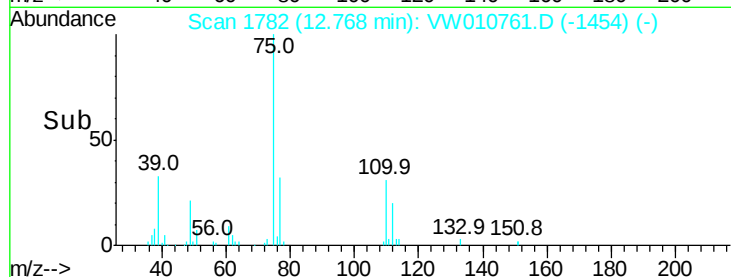
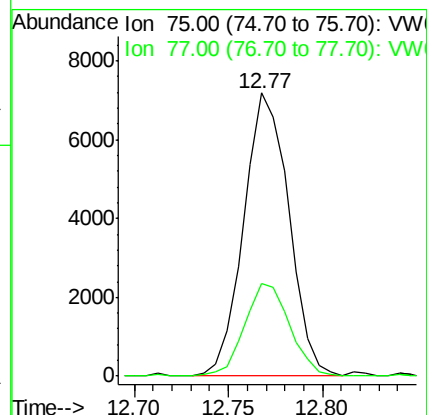
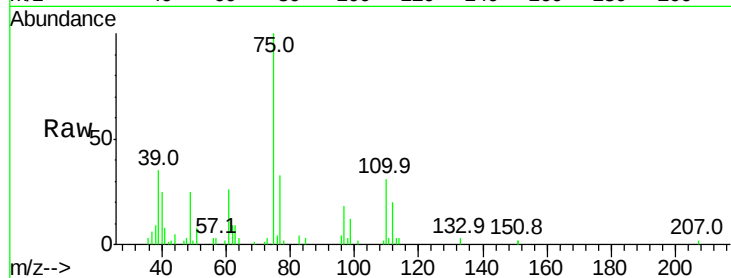
VSTD2.513

Tgt Ion: 75 Resp: 11934

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4



#62

Bromoform

Concen: 2.208 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

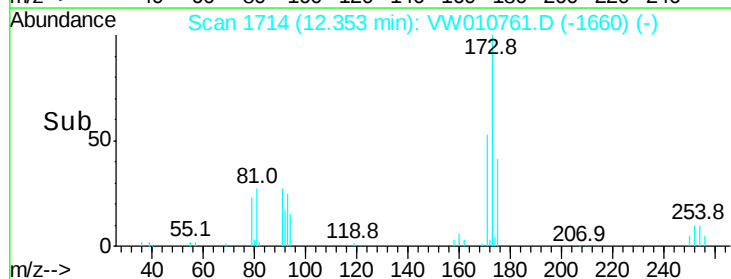
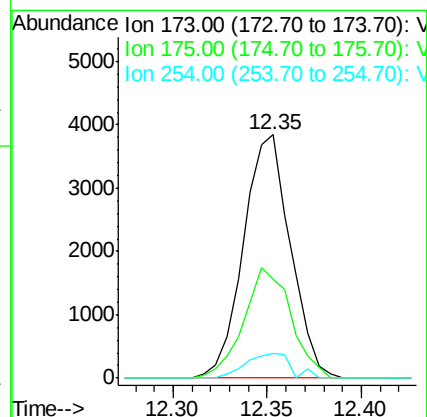
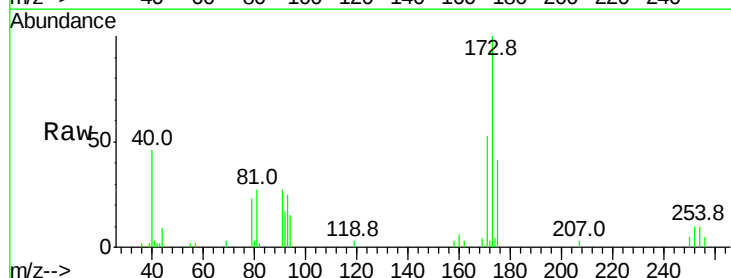
Tgt Ion: 173 Resp: 6627

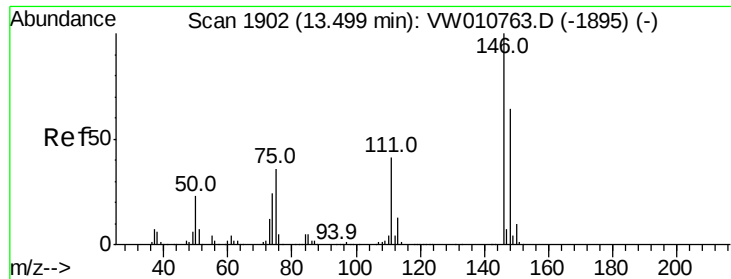
Ion Ratio Lower Upper

173 100

175 45.6 38.7 58.1

254 8.9 8.6 13.0

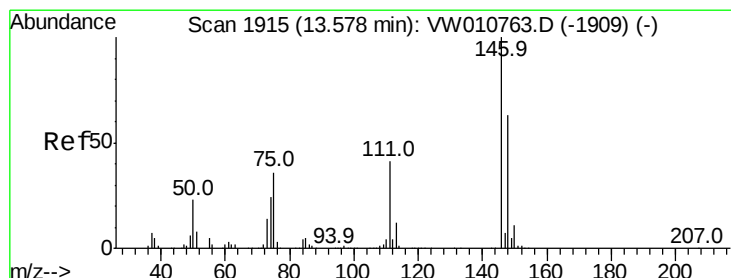
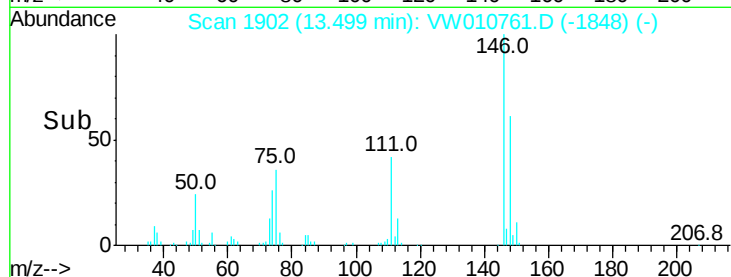
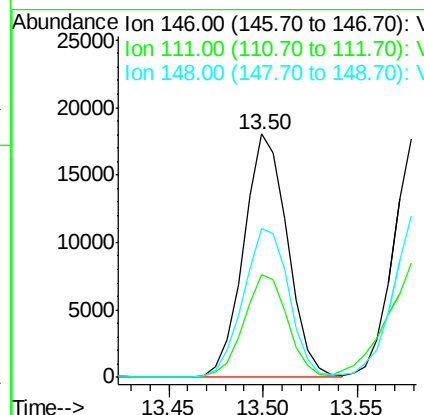
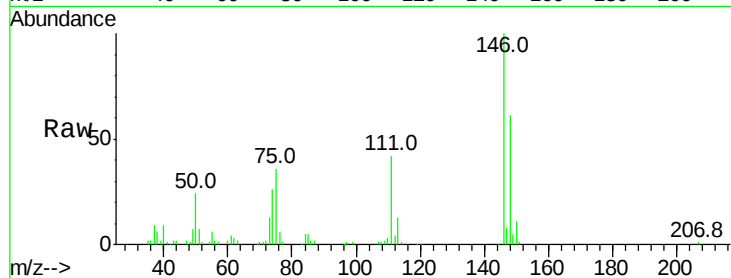




#63
 1,3-Dichlorobenzene
 Concen: 2.672 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

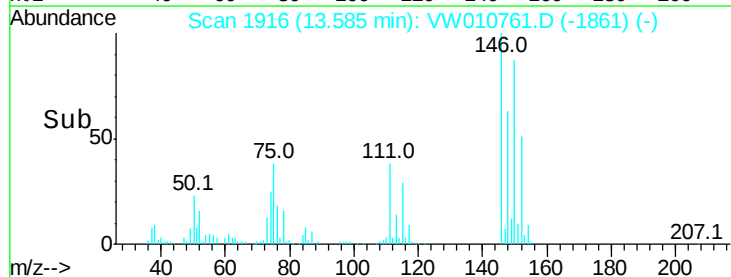
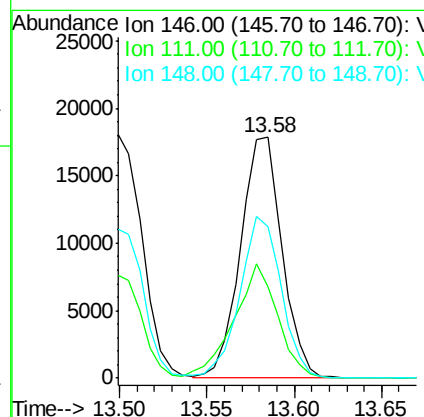
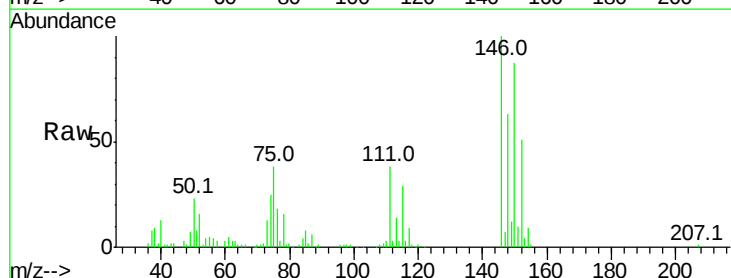
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

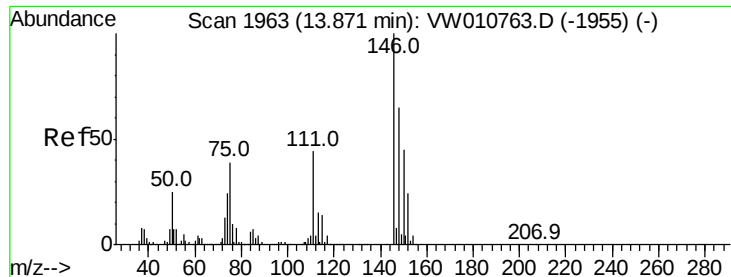
Tgt Ion:146 Resp: 29026
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.6 53.2
 148 61.4 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 2.545 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

Tgt Ion:146 Resp: 29536
 Ion Ratio Lower Upper
 146 100
 111 37.9 29.0 53.9
 148 62.9 44.4 82.4

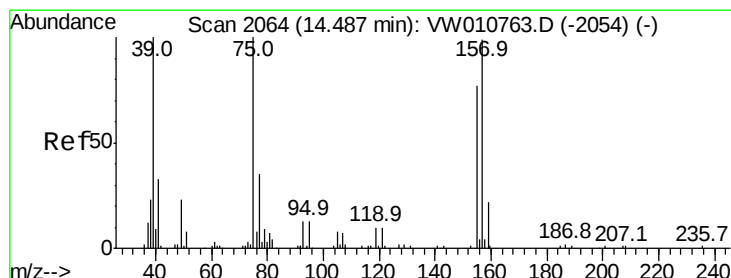
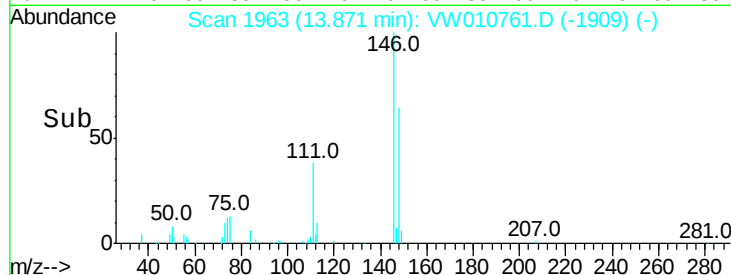
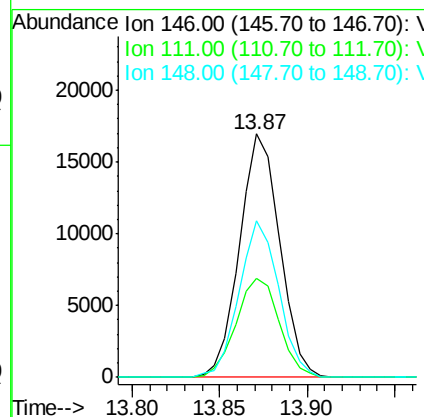
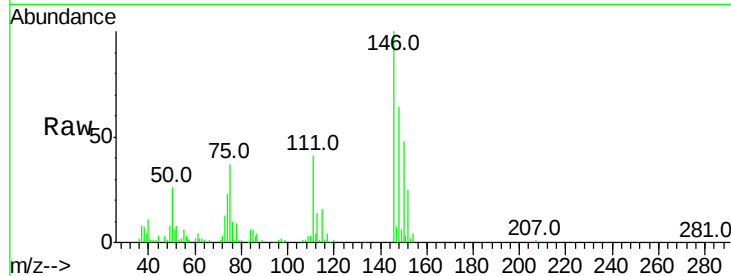




#65
 1,2-Dichlorobenzene
 Concen: 2.583 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

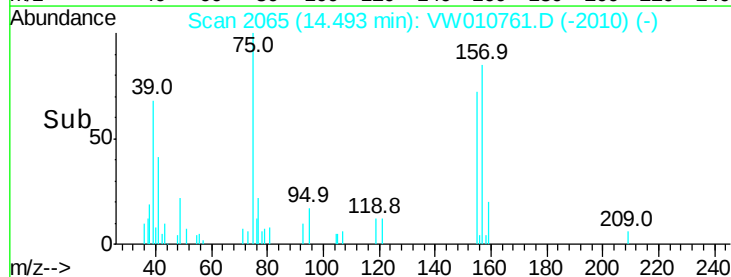
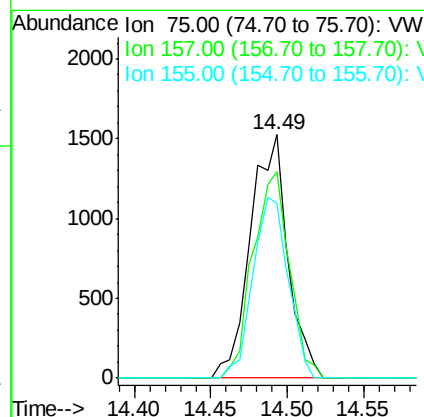
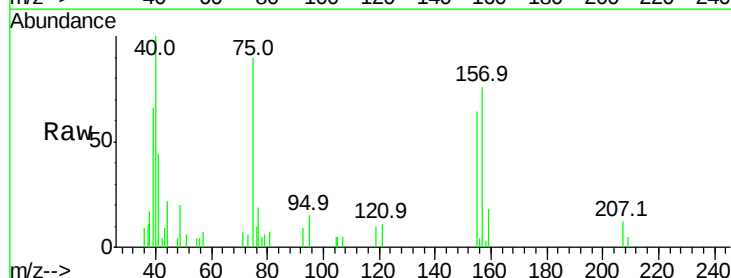
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

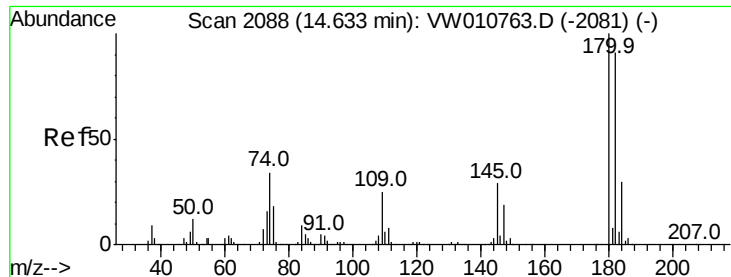
Tgt Ion: 146 Resp: 27095
 Ion Ratio Lower Upper
 146 100
 111 40.9 35.3 52.9
 148 64.4 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.376 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

Tgt Ion: 75 Resp: 2602
 Ion Ratio Lower Upper
 75 100
 157 84.5 79.1 118.7
 155 71.7 62.0 93.0

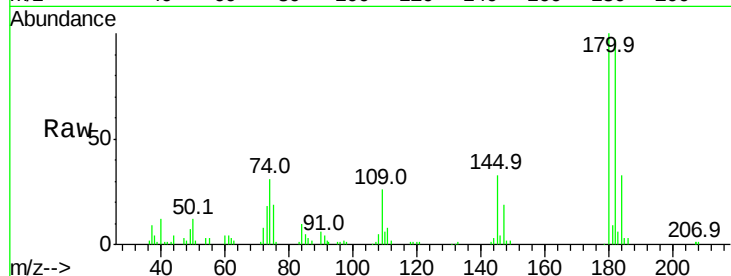




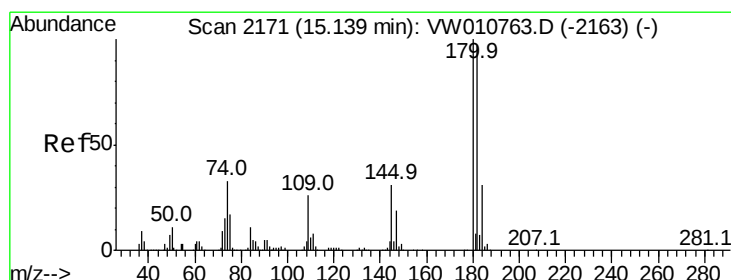
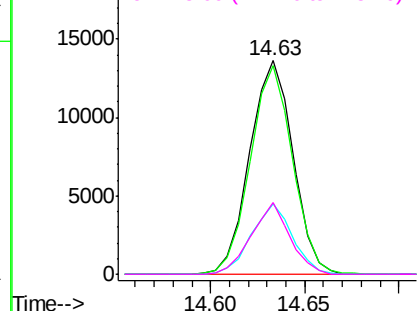
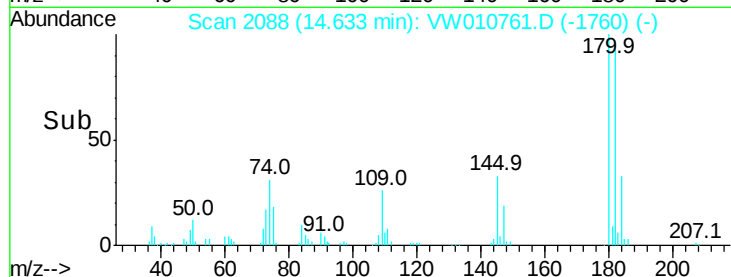
#67
 1,3,5-Trichlorobenzene
 Concen: 2.641 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.513

Tgt Ion:	180	Resp:	21682
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
184	31.2	24.6	37.0
145	29.8	24.1	36.1

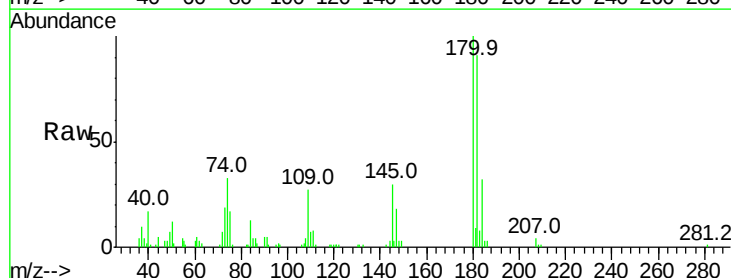


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

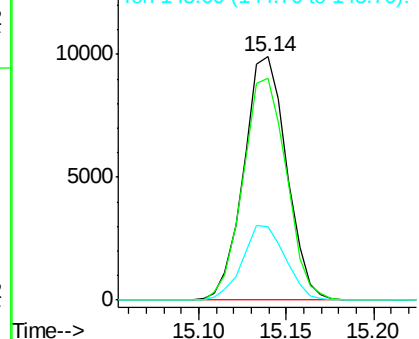
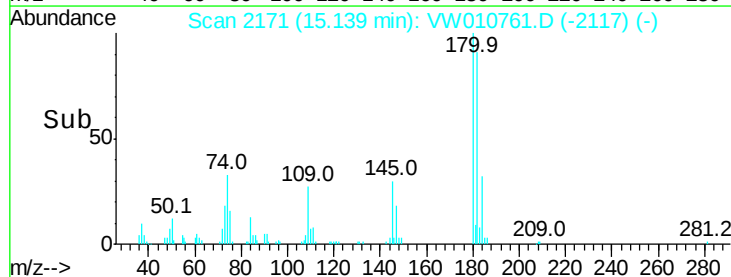


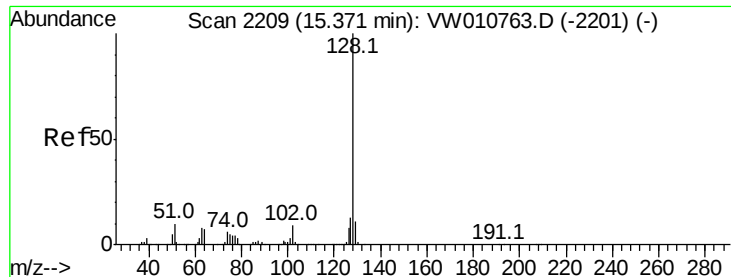
#68
 1,2,4-trichlorobenzene
 Concen: 2.541 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010761.D
 Acq: 11 Jun 2019 10:23

Tgt Ion:	180	Resp:	16887
Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.4	114.6
145	30.6	24.8	37.2



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: 2.048 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.513

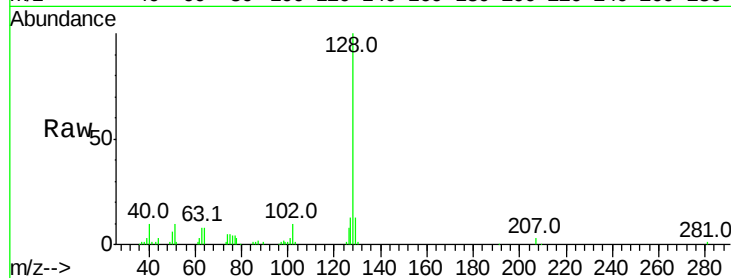
Tgt Ion:128 Resp: 30144

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

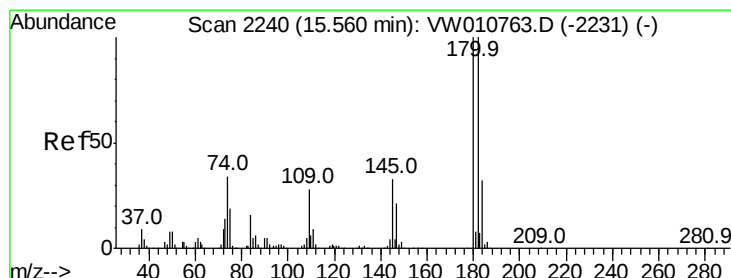
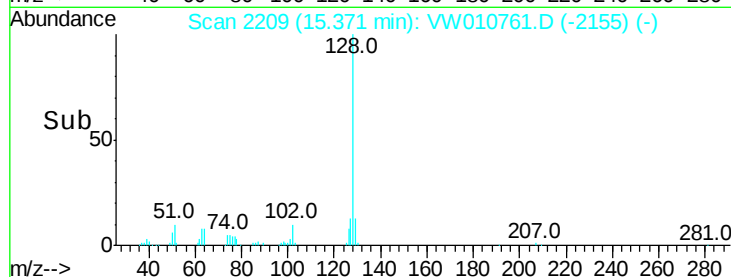
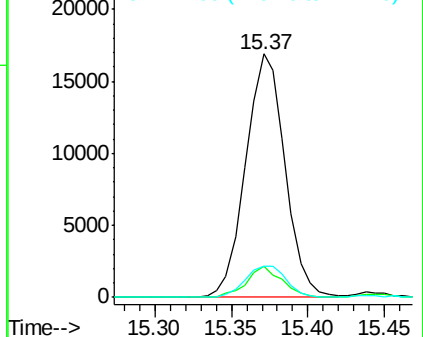
127 13.6 10.4 15.6



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: 2.361 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW010761.D

Acq: 11 Jun 2019 10:23

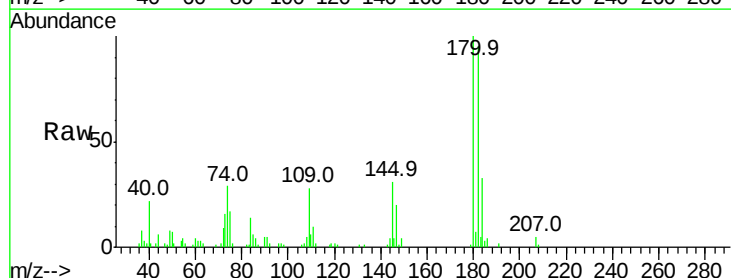
Tgt Ion:180 Resp: 15018

Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

145 31.7 25.8 38.8



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

