

Data File : VW011100.D
Acq On : 02 Jul 2019 09:27
Operator : SY/VA
Sample : VSTD2.513
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Quant Time: Jul 02 10:49:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 10:47:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	372681	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	330955	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	13289	2.75	ug/L	0.00
7) Chloroethane-d5	2.89	69	9341	2.51	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	28584	2.50	ug/L	0.00
20) 2-Butanone-d5	7.09	46	10218	4.50	ug/L	0.01
24) Chloroform-d	7.65	84	24230	2.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	15107	2.42	ug/L	0.00
29) Benzene-d6	8.27	84	49437	2.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	15886	2.42	ug/L	0.00
37) Toluene-d8	10.32	98	42144	2.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	6335	2.18	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6676	4.52	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13048	2.41	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	14255	2.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	11648	2.223 ug/L	97
3) Chloromethane	2.21	50	12993	2.333 ug/L	96
5) Vinyl chloride	2.36	62	17273	2.594 ug/L	98
6) Bromomethane	2.78	94	7685	2.338 ug/L	93
8) Chloroethane	2.92	64	7951	2.254 ug/L	96
9) Trichlorofluoromethane	3.25	101	5910	2.628 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	12316	2.356 ug/L	98
12) 1,1-Dichloroethene	4.04	96	12006	2.301 ug/L	86
13) Acetone	4.12	43	14913	6.865 ug/L	98
14) Carbon disulfide	4.38	76	34453	2.231 ug/L	95
15) Methyl Acetate	4.67	43	8970	2.385 ug/L	97
16) Methylene chloride	4.92	84	15085	2.733 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	18416	2.255 ug/L #	87
18) trans-1,2-Dichloroethene	5.42	96	12546	2.392 ug/L	91
19) 1,1-Dichloroethane	6.21	63	24742	2.309 ug/L	99
21) 2-Butanone	7.17	43	15099	5.285 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	13209	2.340 ug/L	94
23) Bromochloromethane	7.51	128	5395	2.247 ug/L	89
25) Chloroform	7.67	83	24028	2.444 ug/L	99
27) 1,2-Dichloroethane	8.40	62	18414	2.391 ug/L	100
30) Cyclohexane	7.95	56	24943	2.279 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	17525	2.435 ug/L	97
32) Carbon tetrachloride	8.06	117	16131	2.373 ug/L	99
34) Benzene	8.32	78	52341	2.407 ug/L	100
35) Trichloroethene	9.09	95	13736	2.491 ug/L	98
36) Methylcyclohexane	9.34	83	23874	2.358 ug/L	99
40) 1,2-Dichloropropane	9.37	63	14041	2.346 ug/L #	97
41) Bromodichloromethane	9.64	83	15246	2.170 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	18549	2.014 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	25099	4.518 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Tue Jul 02 10:47:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	52876	2.325	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	15243	2.003	ug/L	90
46) 1,1,2-Trichloroethane	10.79	97	9907	2.415	ug/L	90
47) Tetrachloroethene	10.86	164	9993	2.389	ug/L	98
49) 2-Hexanone	10.97	43	17784	4.500	ug/L	92
50) Dibromochloromethane	11.13	129	9393	2.079	ug/L	90
51) 1,2-Dibromoethane	11.23	107	9458	2.384	ug/L	100
52) Chlorobenzene	11.66	112	32556	2.379	ug/L	99
53) Ethylbenzene	11.73	91	59891	2.338	ug/L	100
54) m,p-Xylene	11.84	106	21519	2.315	ug/L	99
55) o-xylene	12.16	106	19765	2.216	ug/L	95
56) Styrene	12.18	104	32923	2.140	ug/L	96
57) Isopropylbenzene	12.46	105	54475	2.251	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	12716	2.371	ug/L	92
59) 1,2,3-Trichloropropane	12.77	75	10204	2.450	ug/L	98
62) Bromoform	12.35	173	5372	2.180	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	23707	2.365	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	24449	2.428	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	21458	2.314	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2175	2.293	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.63	180	17432	2.285	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	13766	2.129	ug/L	96
69) Naphthalene	15.37	128	25960	1.881	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	12492	2.127	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

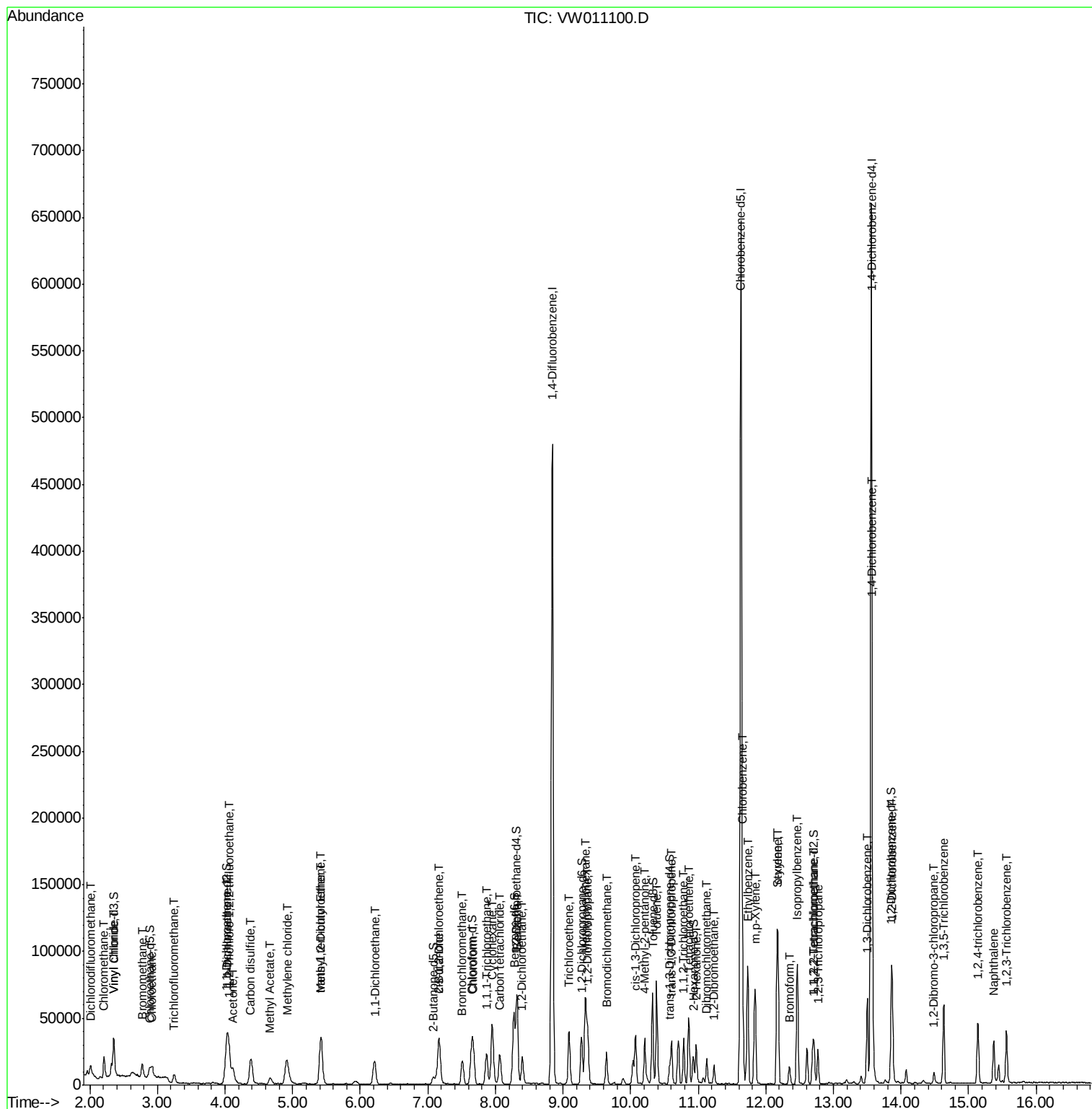
Quant Time: Jul 02 10:49:36 2019

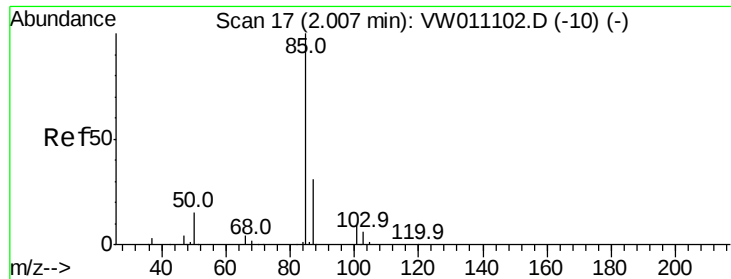
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M

Quant Title : VOC Analysis

QLast Update : Tue Jul 02 10:47:03 2019

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#2

Dichlorodifluoromethane

Concen: 2.223 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

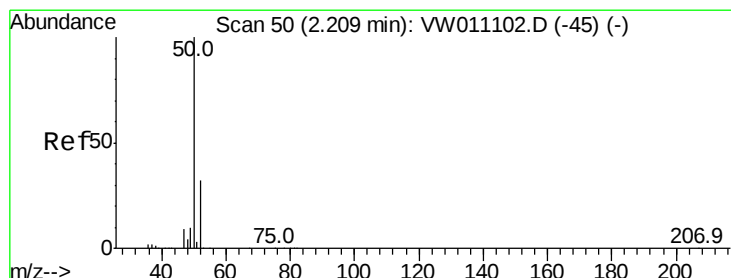
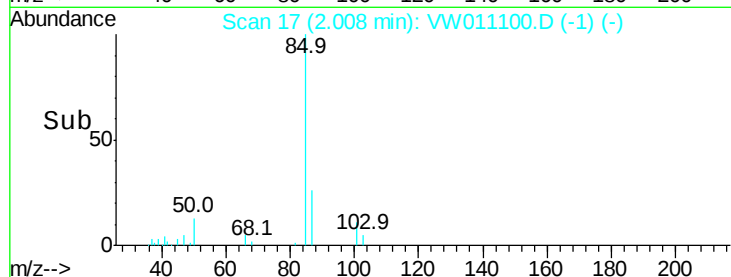
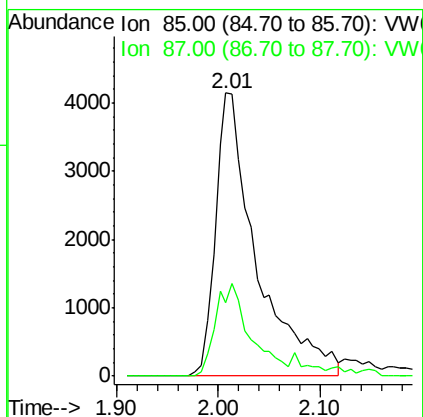
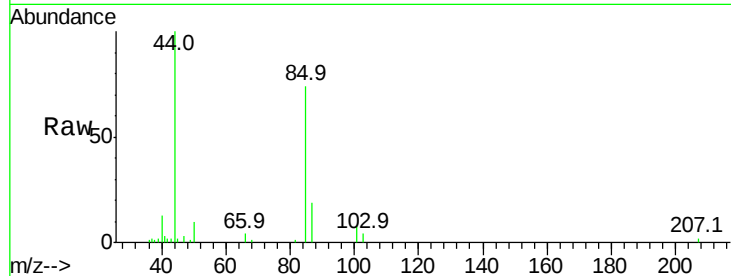
VSTD2.503

Tgt Ion: 85 Resp: 11648

Ion Ratio Lower Upper

85 100

87 27.9 20.6 38.4



#3

Chloromethane

Concen: 2.333 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011100.D

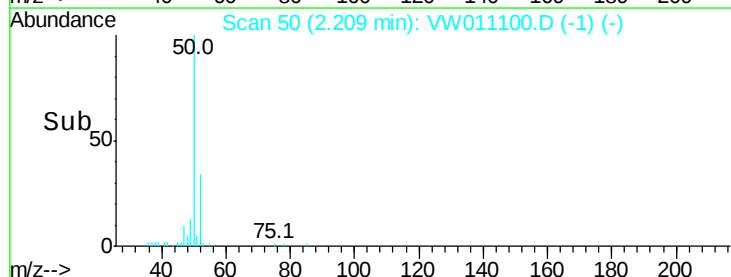
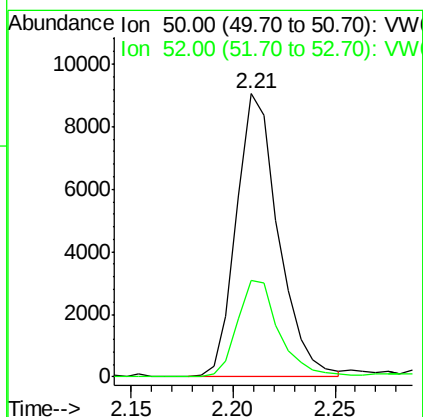
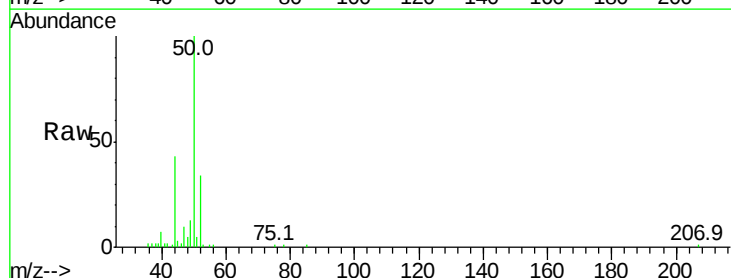
Acq: 02 Jul 2019 09:27

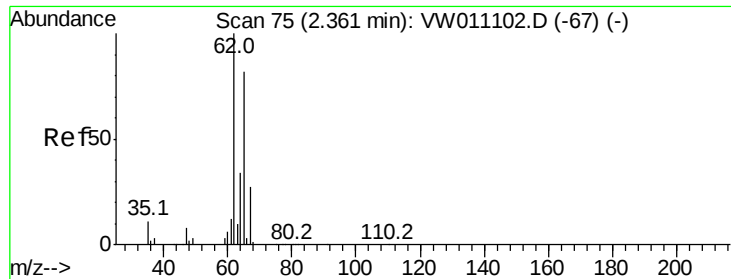
Tgt Ion: 50 Resp: 12993

Ion Ratio Lower Upper

50 100

52 34.1 22.3 41.5





#5

Vinyl chloride

Concen: 2.594 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

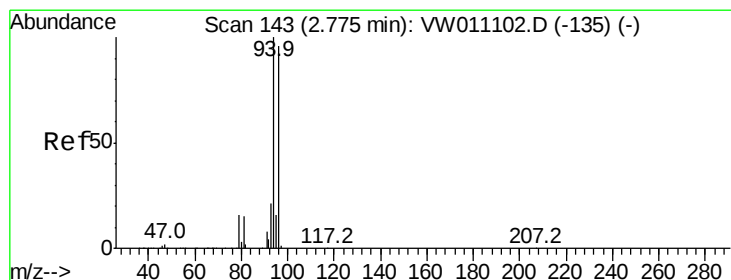
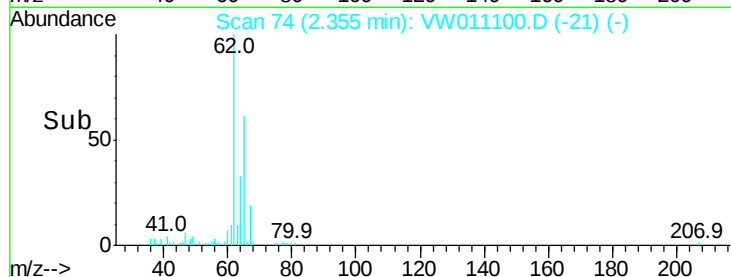
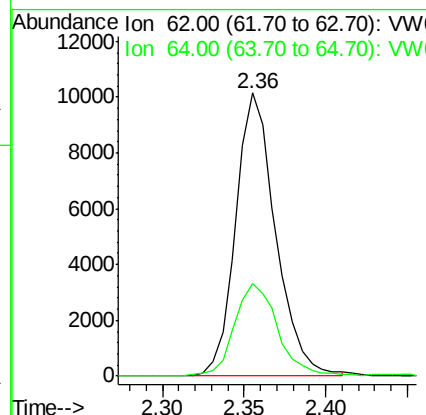
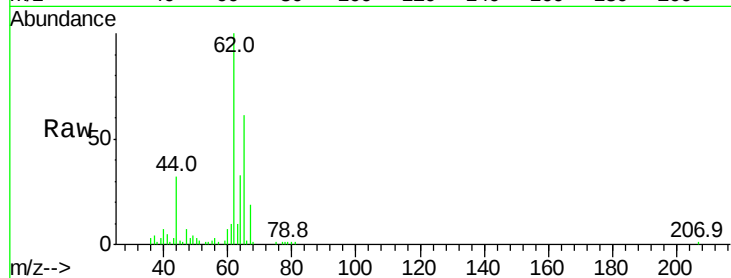
VSTD2.503

Tgt Ion: 62 Resp: 17273

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.3



#6

Bromomethane

Concen: 2.338 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011100.D

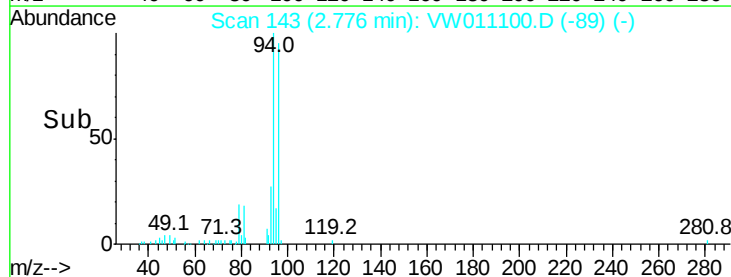
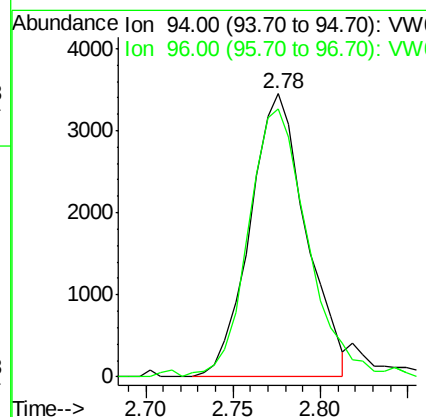
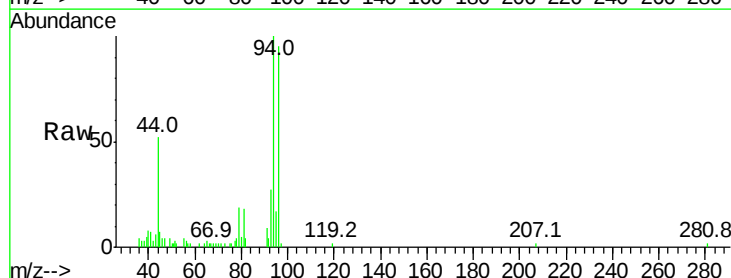
Acq: 02 Jul 2019 09:27

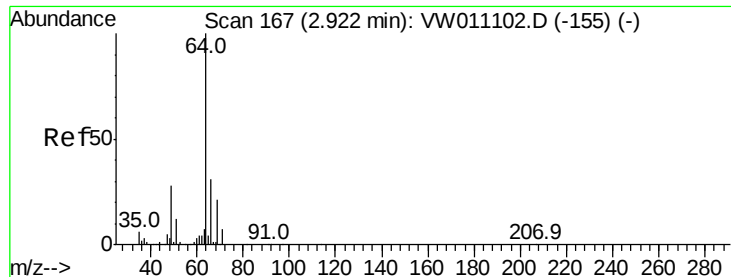
Tgt Ion: 94 Resp: 7685

Ion Ratio Lower Upper

94 100

96 100.0 9.3 177.3





#8

Chloroethane

Concen: 2.254 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

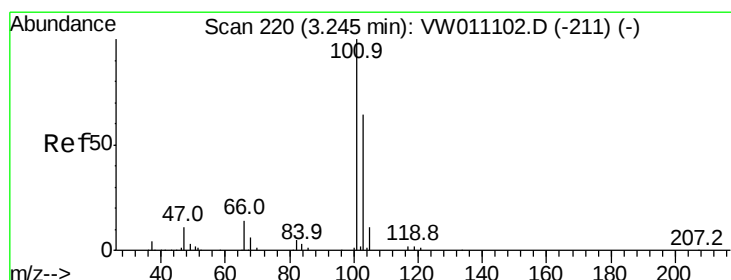
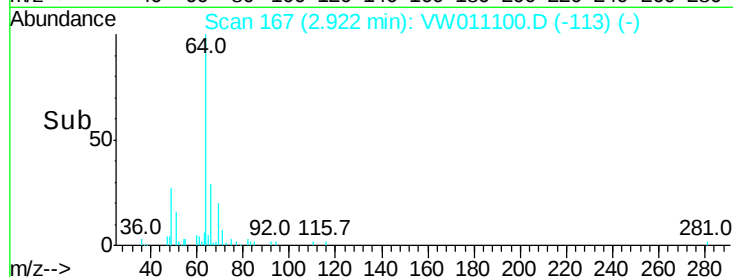
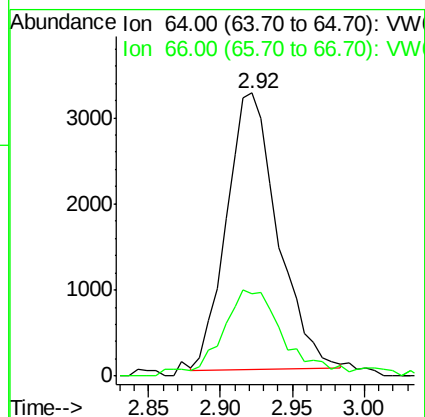
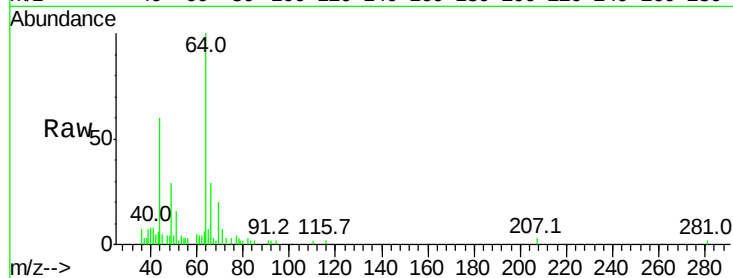
VSTD2.503

Tgt Ion: 64 Resp: 7951

Ion Ratio Lower Upper

64 100

66 28.9 21.9 40.7



#9

Trichlorofluoromethane

Concen: 2.628 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW011100.D

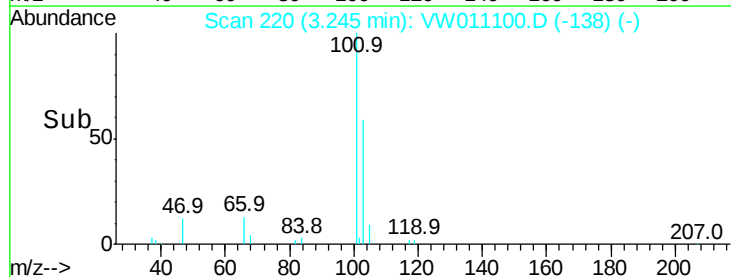
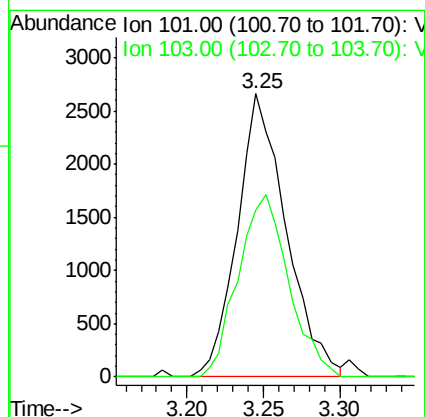
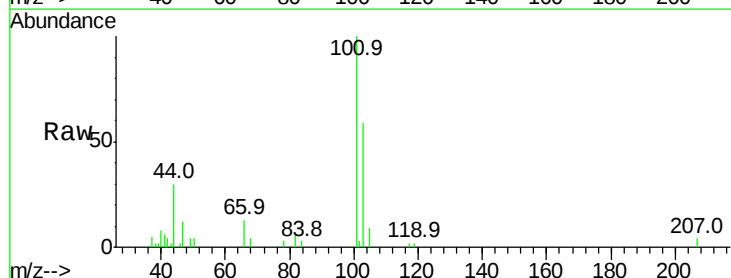
Acq: 02 Jul 2019 09:27

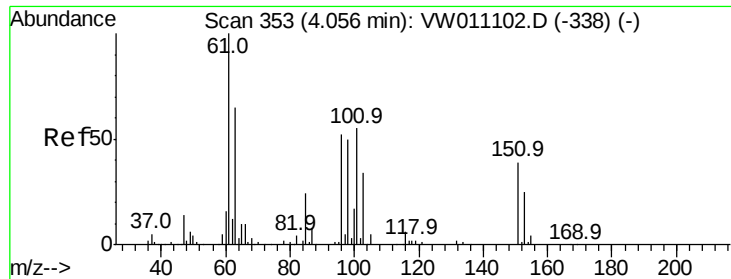
Tgt Ion: 101 Resp: 5910

Ion Ratio Lower Upper

101 100

103 66.6 44.6 82.8





#11

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

Concen: 2.356 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

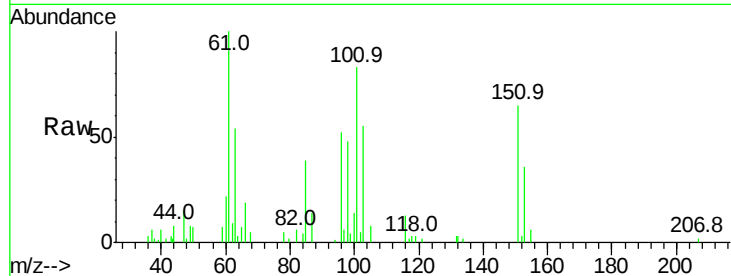
Tgt Ion: 101 Resp: 12316

Ion Ratio Lower Upper

101 100

85 43.9 33.8 50.8

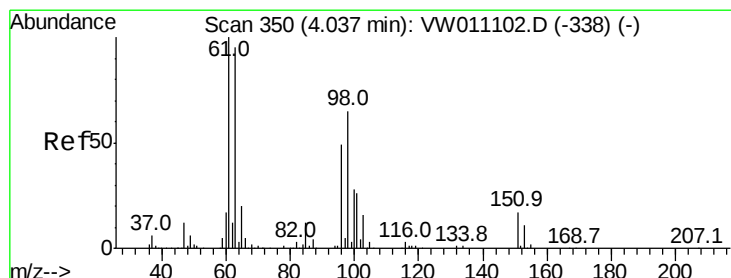
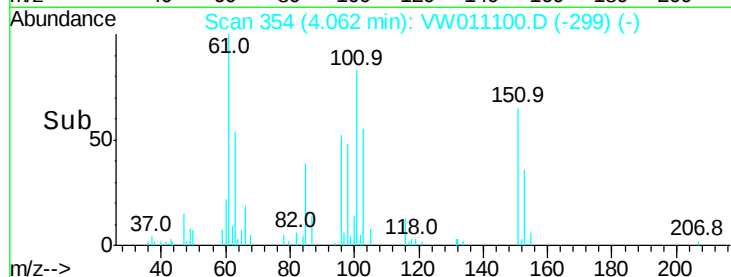
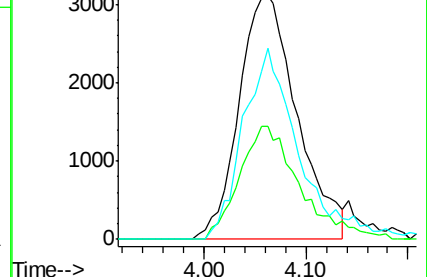
151 69.2 56.9 85.3



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: 2.301 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

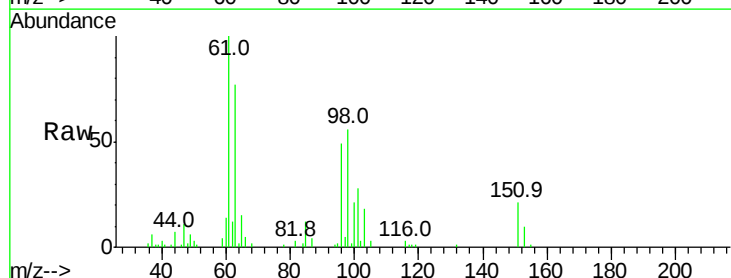
Tgt Ion: 96 Resp: 12006

Ion Ratio Lower Upper

96 100

61 202.1 142.2 264.0

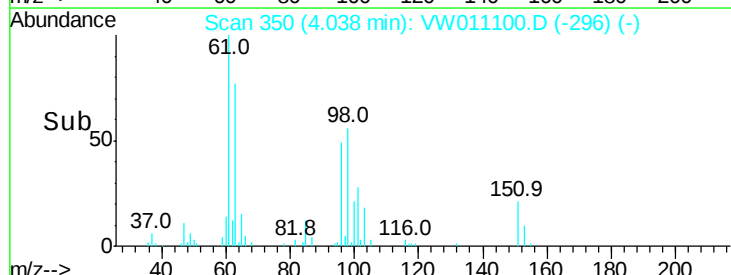
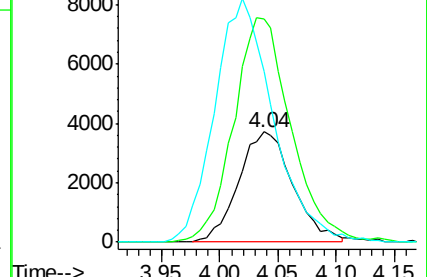
63 155.5 138.9 257.9

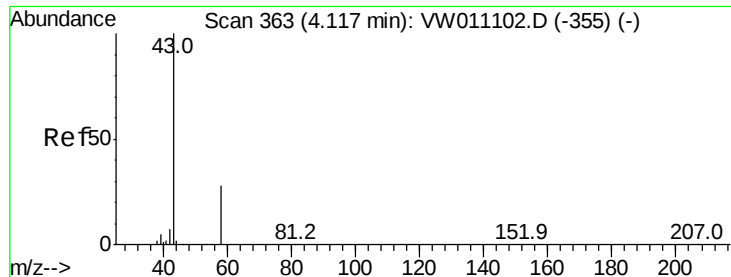


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.865 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

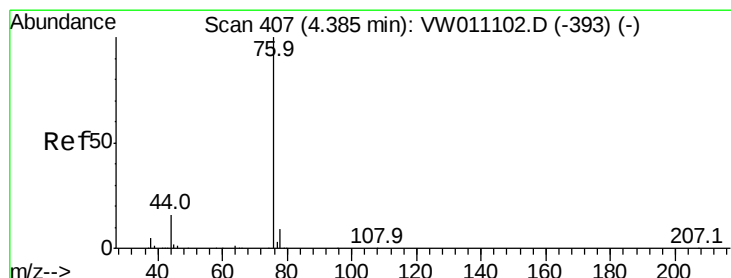
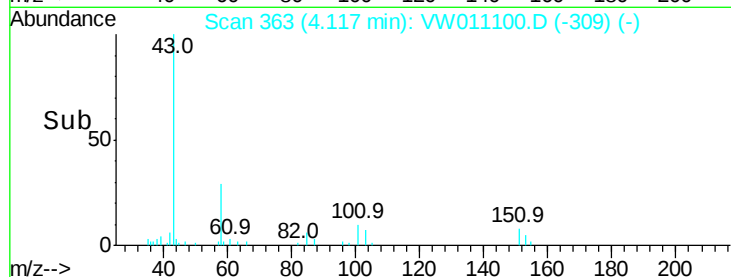
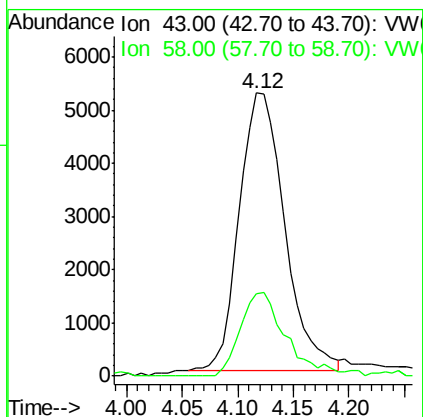
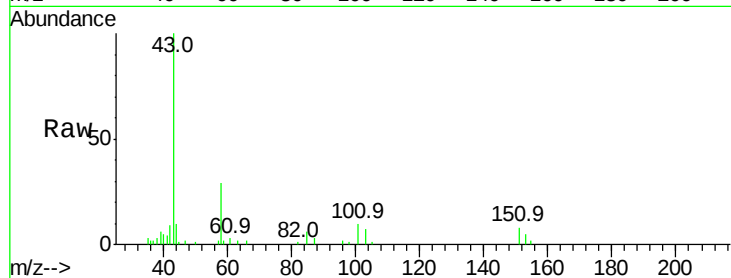
VSTD2.503

Tgt Ion: 43 Resp: 14913

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.0



#14

Carbon disulfide

Concen: 2.231 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011100.D

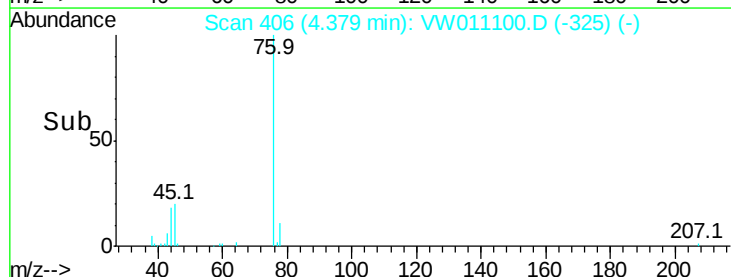
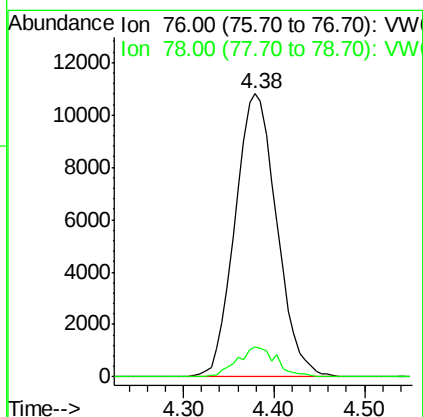
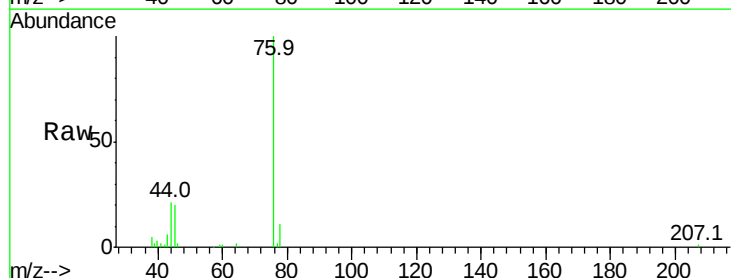
Acq: 02 Jul 2019 09:27

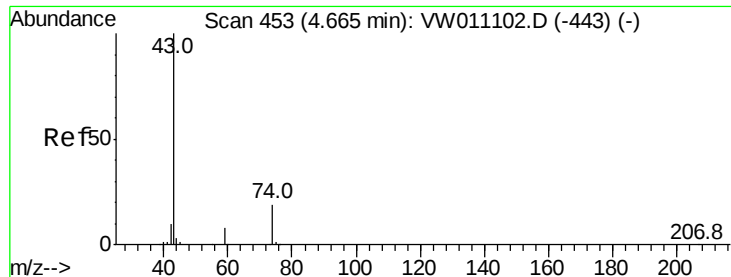
Tgt Ion: 76 Resp: 34453

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

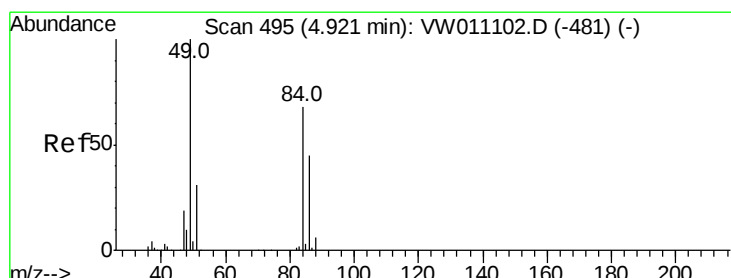
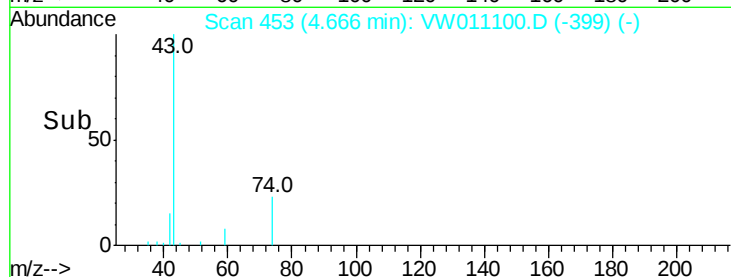
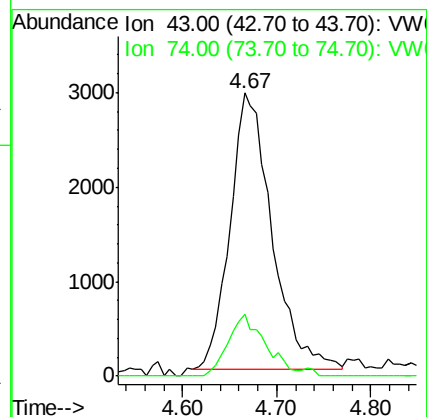
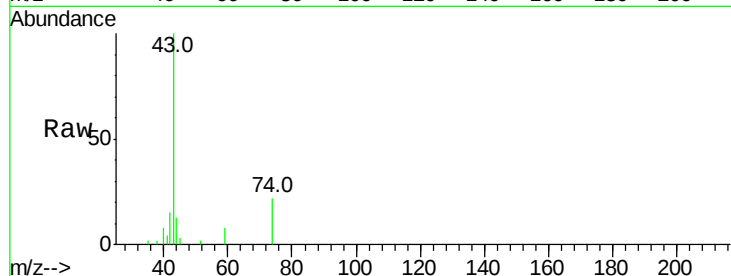




#15
Methyl Acetate
Concen: 2.385 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

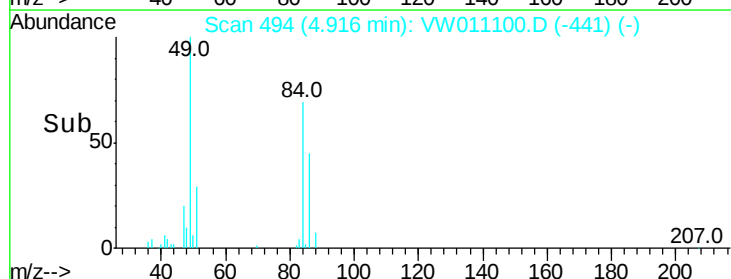
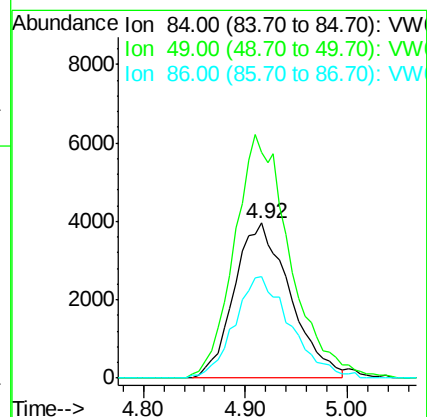
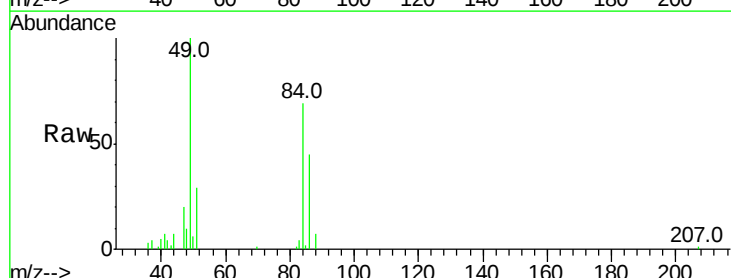
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

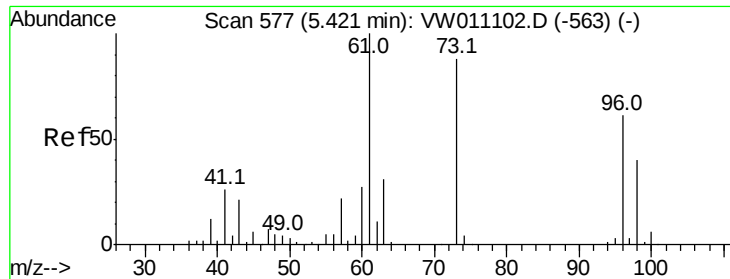
Tgt Ion: 43 Resp: 8970
Ion Ratio Lower Upper
43 100
74 17.7 15.1 22.7



#16
Methylene chloride
Concen: 2.733 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

Tgt Ion: 84 Resp: 15085
Ion Ratio Lower Upper
84 100
49 145.7 102.5 190.3
86 65.5 46.4 86.2

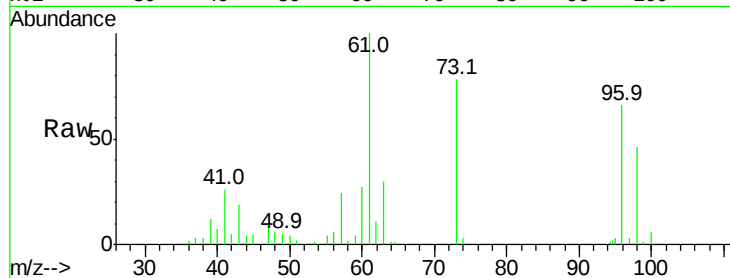




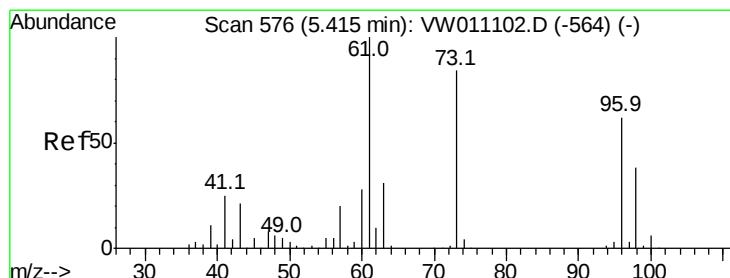
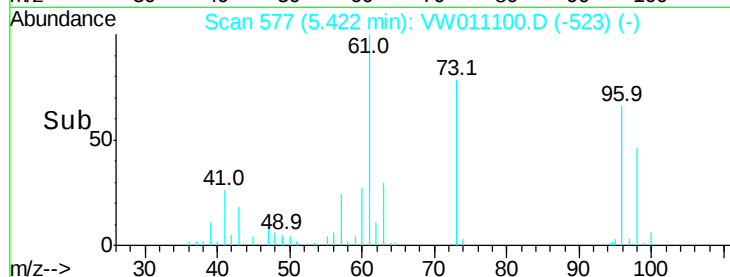
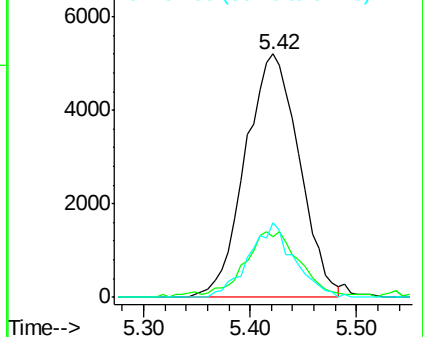
#17
Methyl tert-butyl Ether
Concen: 2.255 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

Tgt Ion: 73 Resp: 18416
Ion Ratio Lower Upper
73 100
43 13.5 20.2 30.2#
57 25.6 19.6 29.4

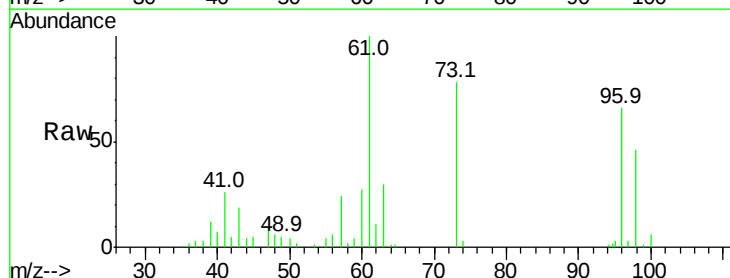


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

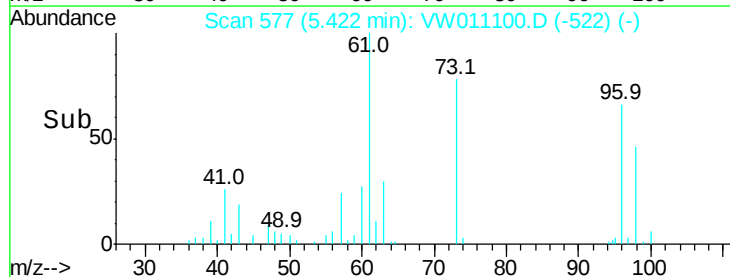
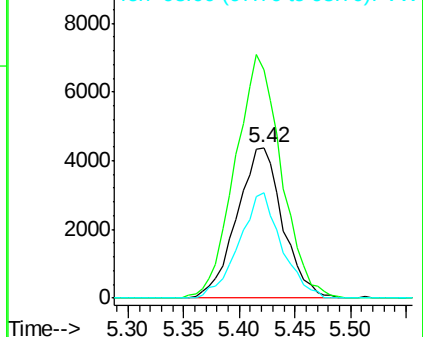


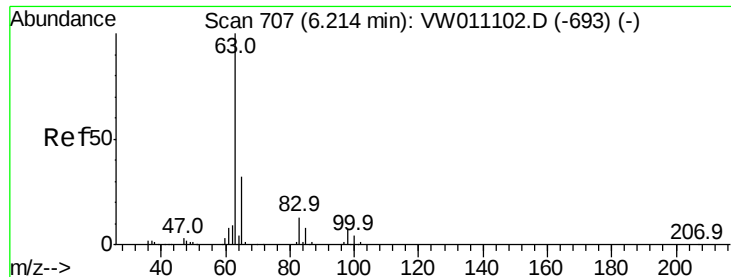
#18
trans-1,2-Dichloroethene
Concen: 2.392 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

Tgt Ion: 96 Resp: 12546
Ion Ratio Lower Upper
96 100
61 151.7 113.7 211.1
98 69.8 43.3 80.3



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





#19

1,1-Dichloroethane

Concen: 2.309 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampled :

VSTD2.503

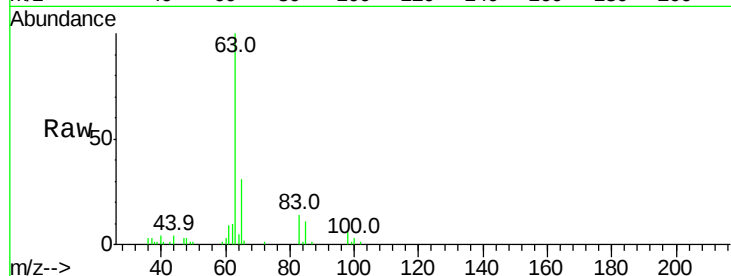
Tgt Ion: 63 Resp: 24742

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

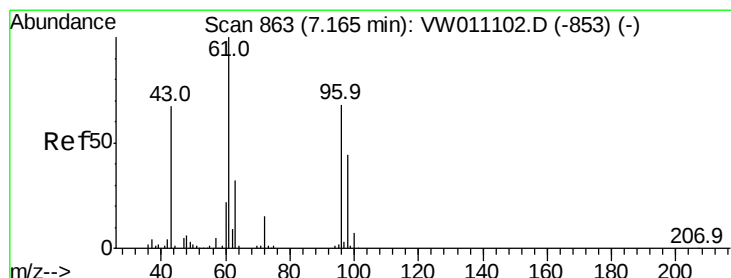
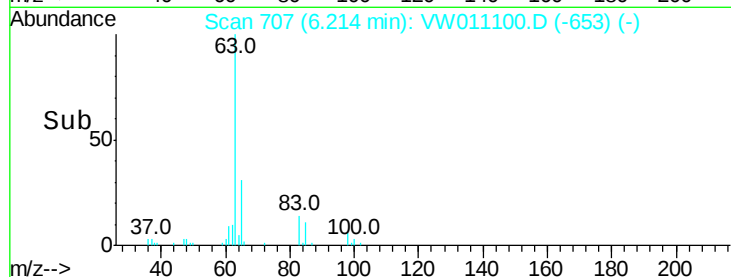
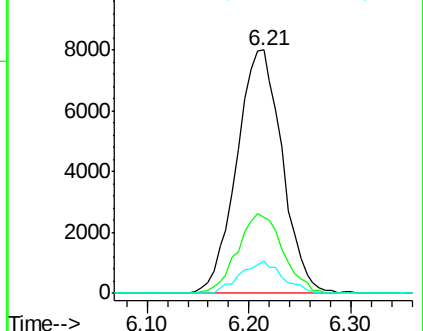
83 13.5 9.0 16.6



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: 5.285 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011100.D

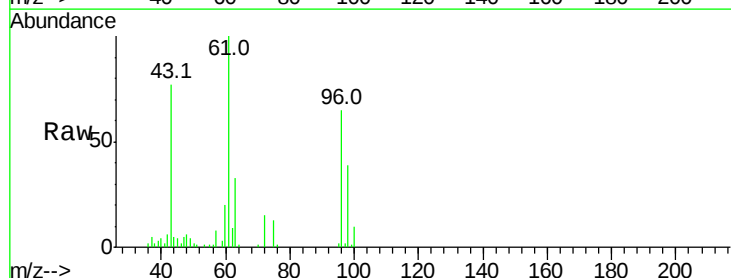
Acq: 02 Jul 2019 09:27

Tgt Ion: 43 Resp: 15099

Ion Ratio Lower Upper

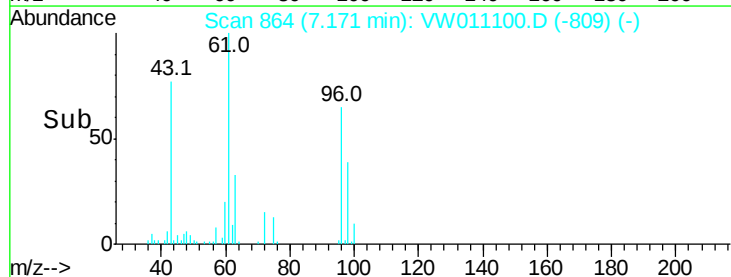
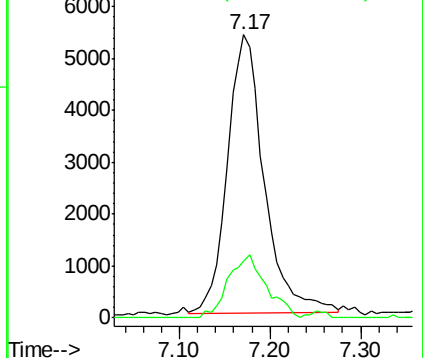
43 100

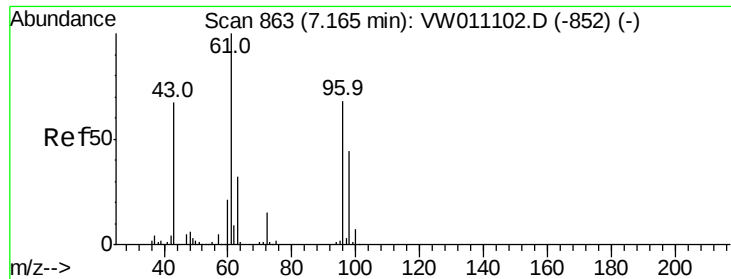
72 20.6 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



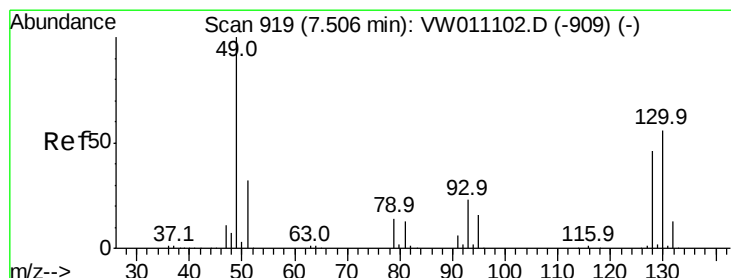
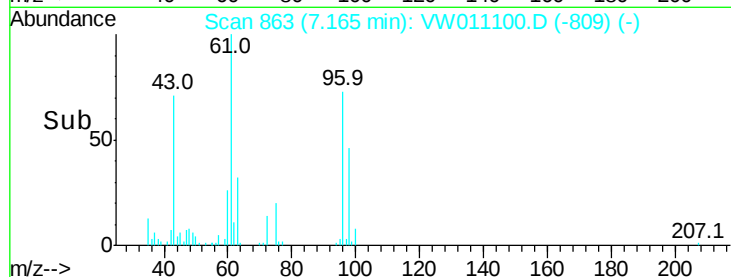
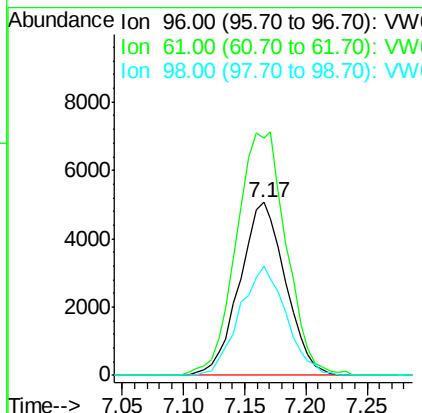
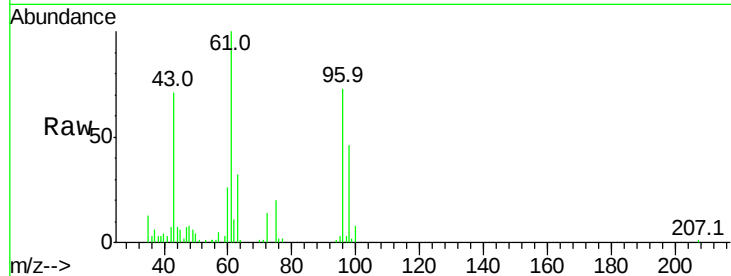


#22

cis-1,2-Dichloroethene
 Concen: 2.340 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

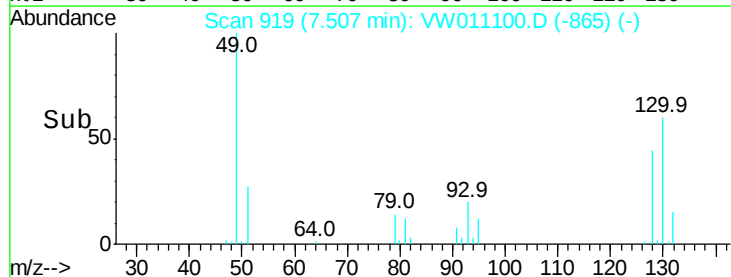
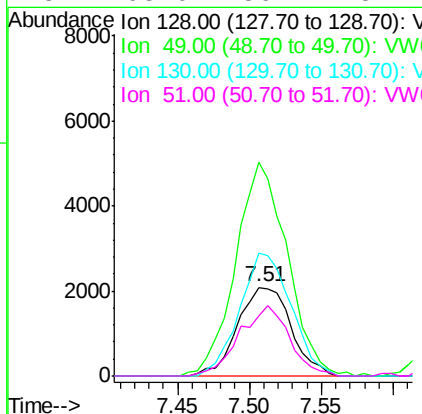
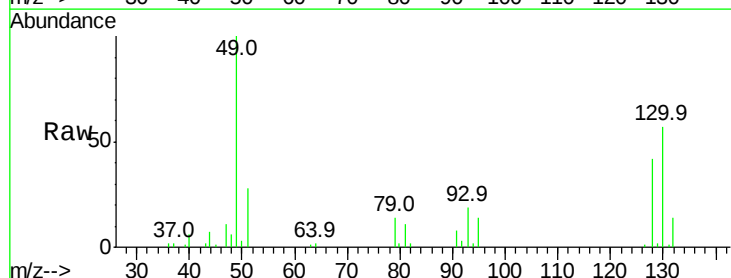
Tgt Ion: 96 Resp: 13209
 Ion Ratio Lower Upper
 96 100
 61 137.3 103.2 191.6
 98 62.9 44.8 83.2

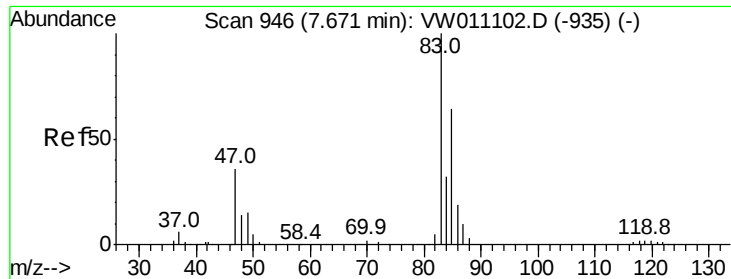


#23

Bromochloromethane
 Concen: 2.247 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Tgt Ion: 128 Resp: 5395
 Ion Ratio Lower Upper
 128 100
 49 240.9 153.8 285.6
 130 138.3 86.4 160.4
 51 68.0 56.2 84.4

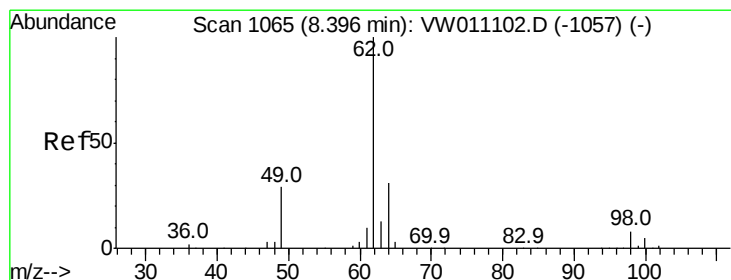
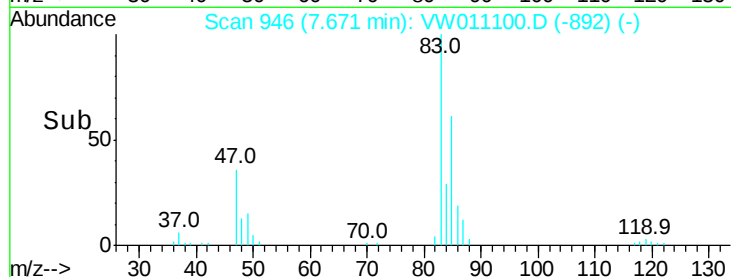
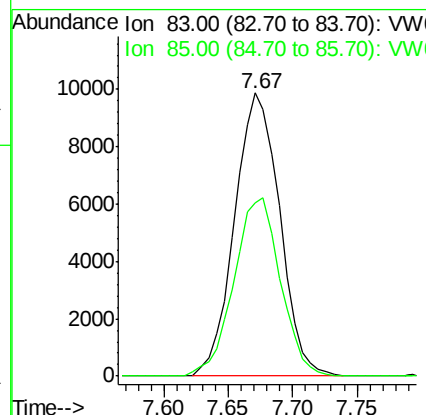
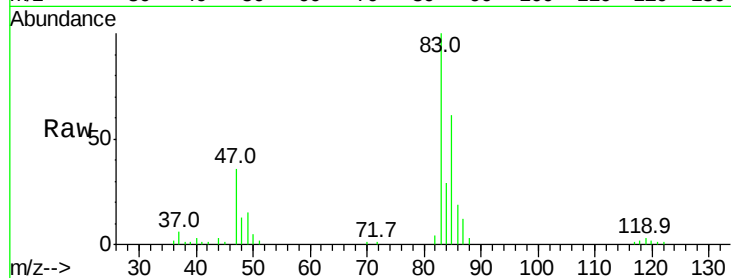




#25
Chloroform
Concen: 2.444 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

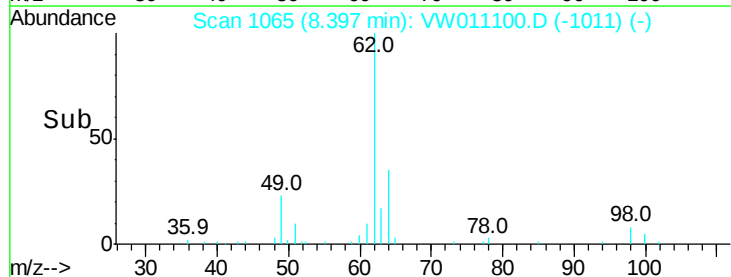
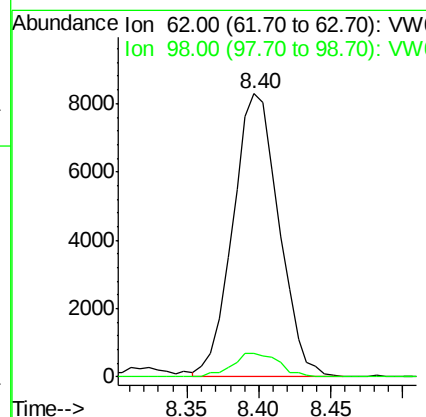
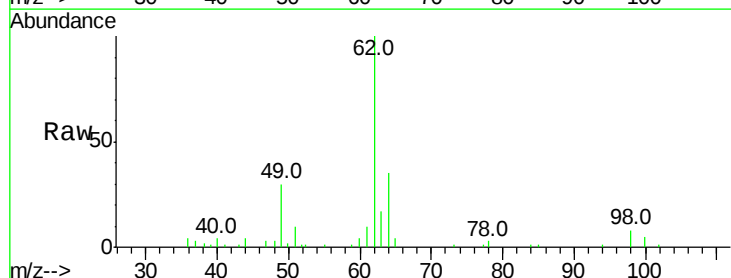
Instrument :
MSVOA_W
ClientSampled :
VSTD2.503

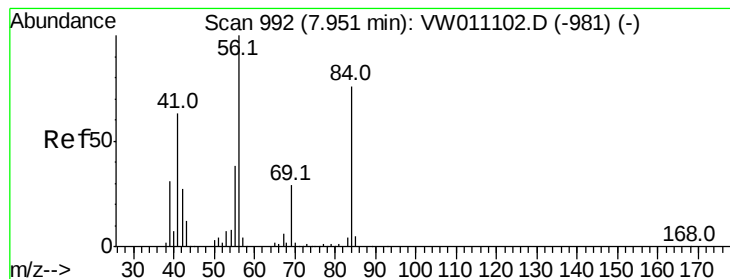
Tgt Ion: 83 Resp: 24028
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 2.391 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

Tgt Ion: 62 Resp: 18414
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#30

Cyclohexane

Concen: 2.279 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

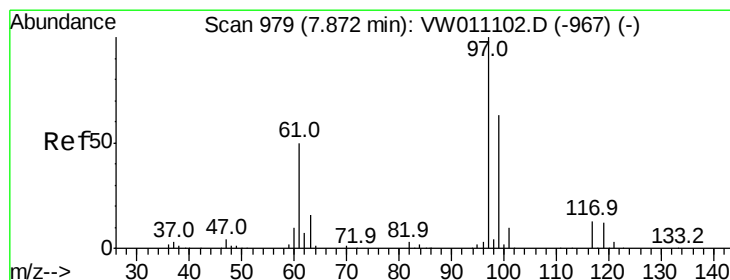
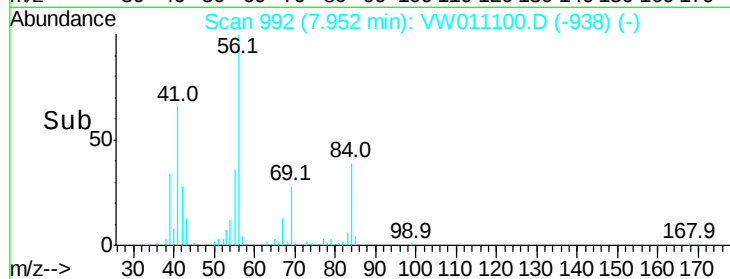
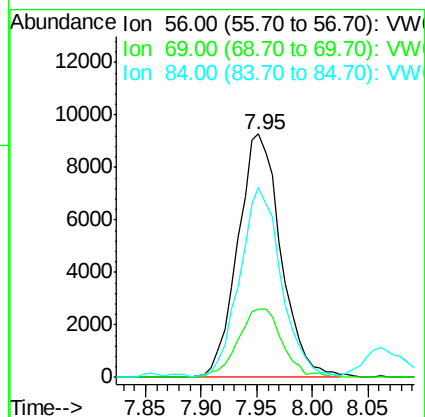
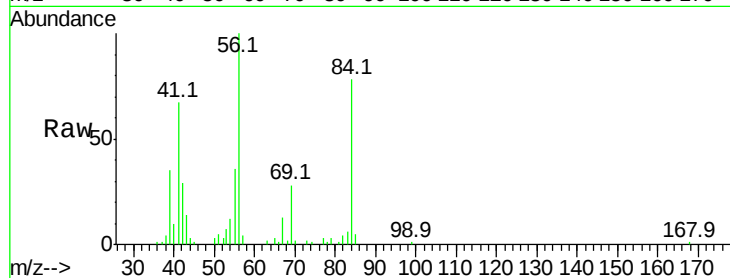
Tgt Ion: 56 Resp: 24943

Ion Ratio Lower Upper

56 100

69 28.2 22.5 33.7

84 75.3 60.9 91.3



#31

1,1,1-Trichloroethane

Concen: 2.435 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

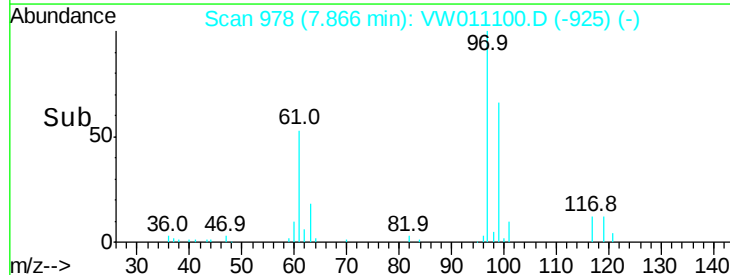
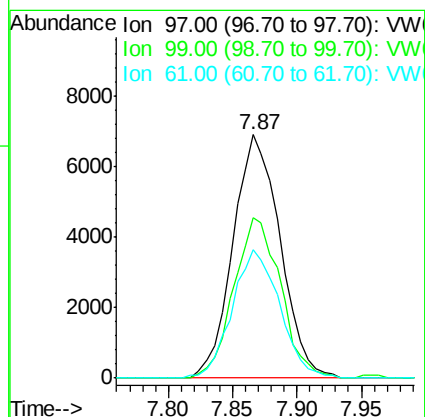
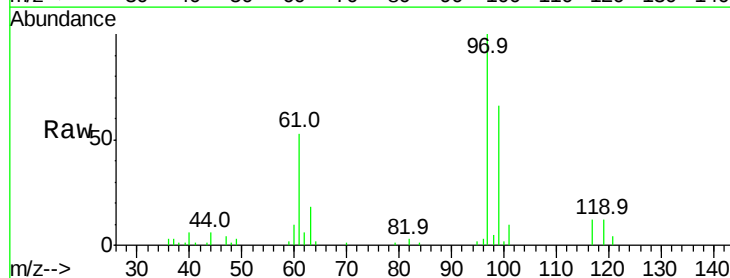
Tgt Ion: 97 Resp: 17525

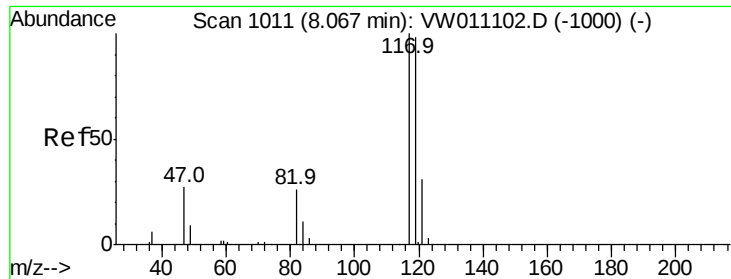
Ion Ratio Lower Upper

97 100

99 65.3 50.6 75.8

61 53.2 40.9 61.3





#32

Carbon tetrachloride

Concen: 2.373 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

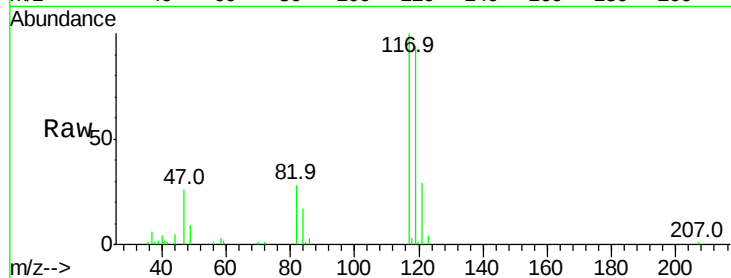
VSTD2.503

Tgt Ion:117 Resp: 16131

Ion Ratio Lower Upper

117 100

119 95.5 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

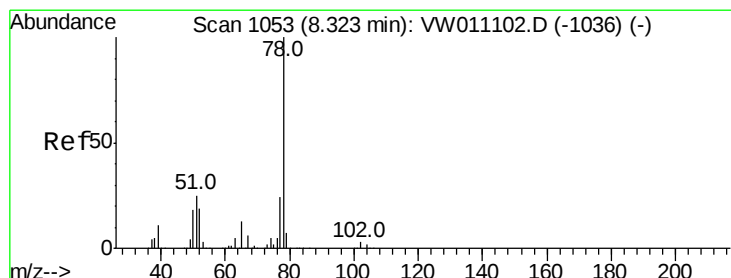
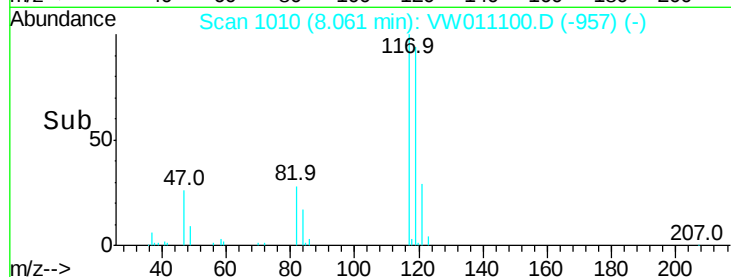
6000

4000

2000

0

Time-->



#34

Benzene

Concen: 2.407 ug/L

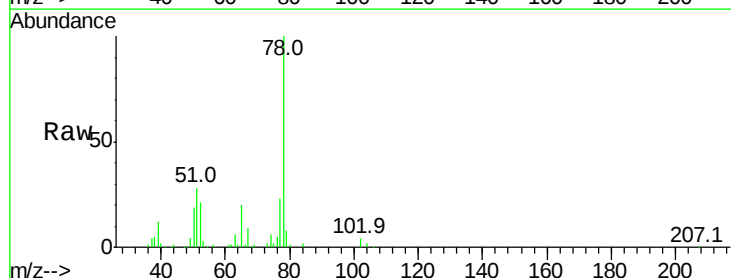
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Tgt Ion: 78 Resp: 52341



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

25000

20000

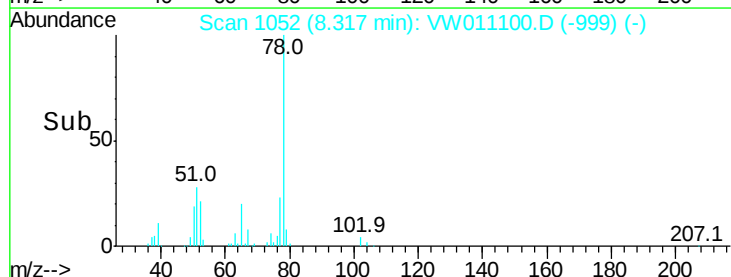
15000

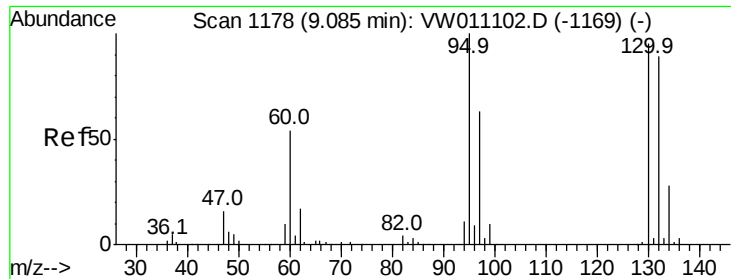
10000

5000

0

Time-->





#35

Trichloroethene

Concen: 2.491 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 95 Resp: 13736

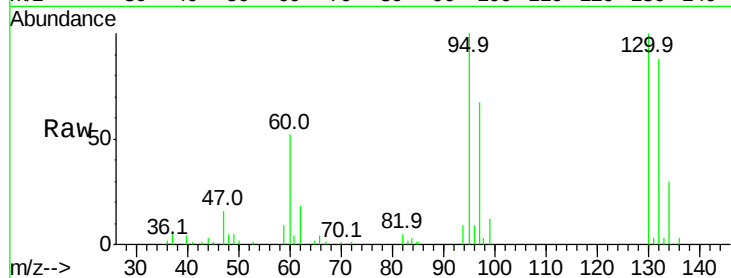
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.2

132 89.0 65.0 120.8

130 96.8 67.8 126.0



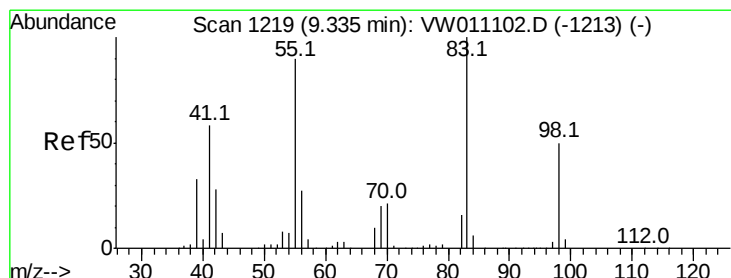
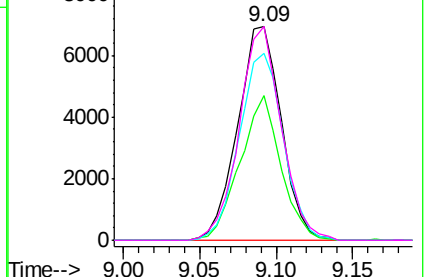
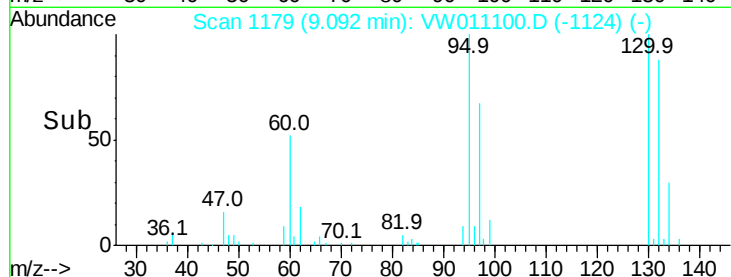
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

Time-->



#36

Methylcyclohexane

Concen: 2.358 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

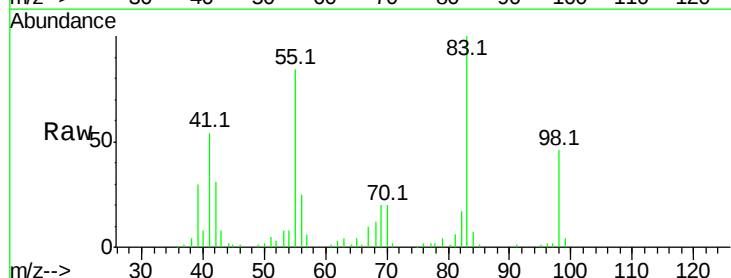
Tgt Ion: 83 Resp: 23874

Ion Ratio Lower Upper

83 100

55 89.1 72.2 108.4

98 47.1 38.2 57.4

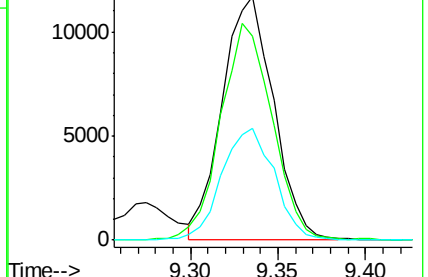
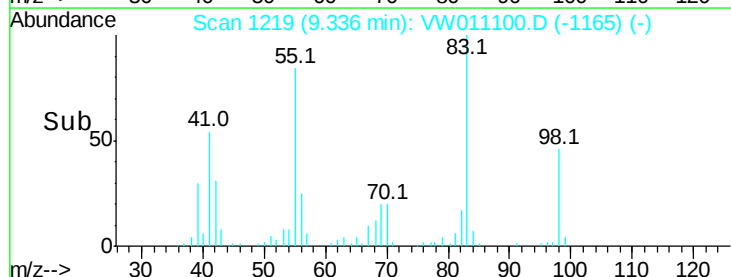


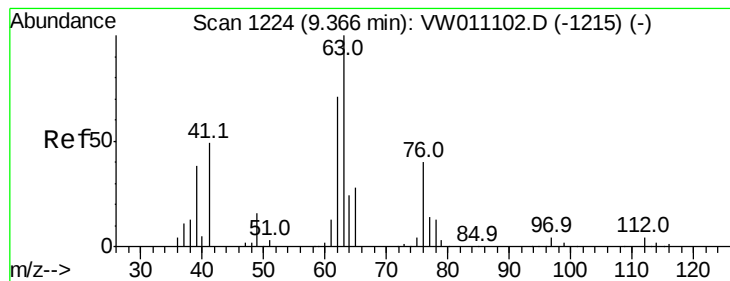
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

Time-->





#40

1,2-Dichloropropane

Concen: 2.346 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

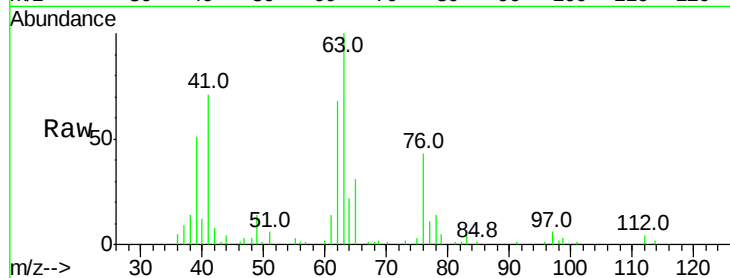
VSTD2.503

Tgt Ion: 63 Resp: 14041

Ion Ratio Lower Upper

63 100

112 4.7 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

8000

6000

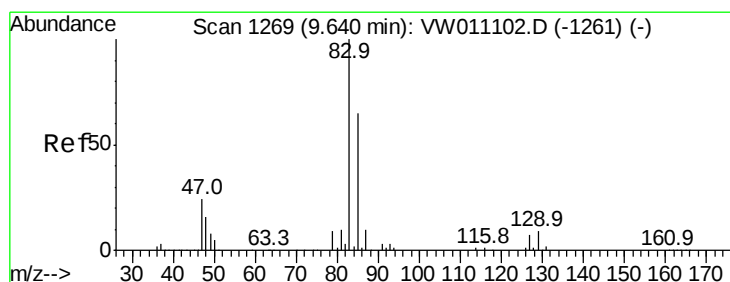
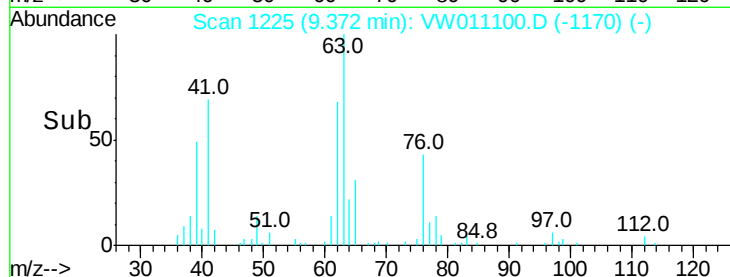
4000

2000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 2.170 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

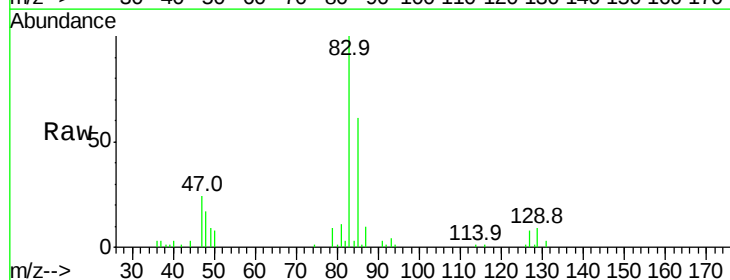
Tgt Ion: 83 Resp: 15246

Ion Ratio Lower Upper

83 100

85 61.1 45.5 84.5

127 7.9 5.8 8.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

10000

8000

6000

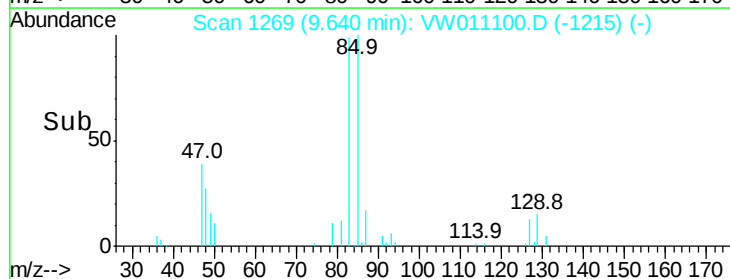
4000

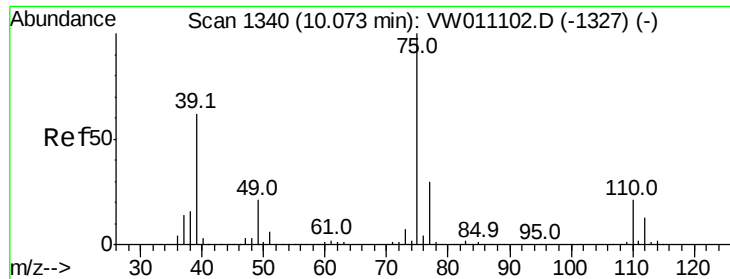
2000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 2.014 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

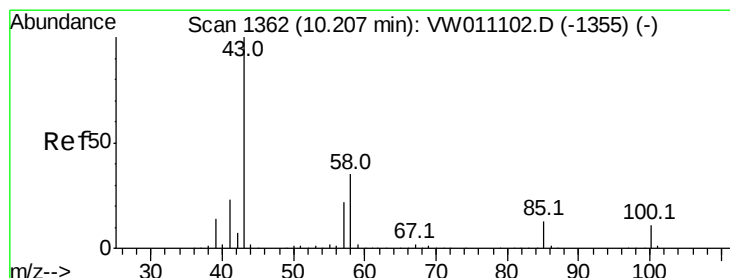
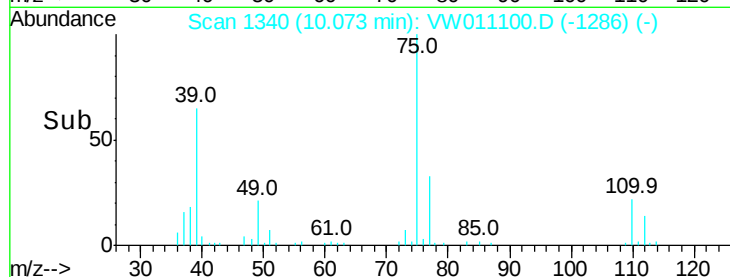
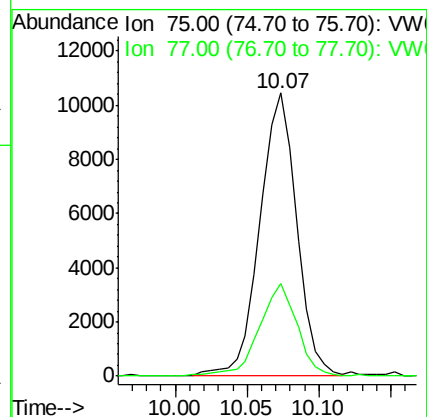
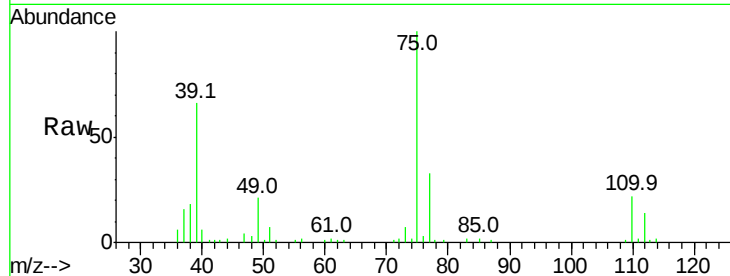
VSTD2.503

Tgt Ion: 75 Resp: 18549

Ion Ratio Lower Upper

75 100

77 32.9 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 4.518 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

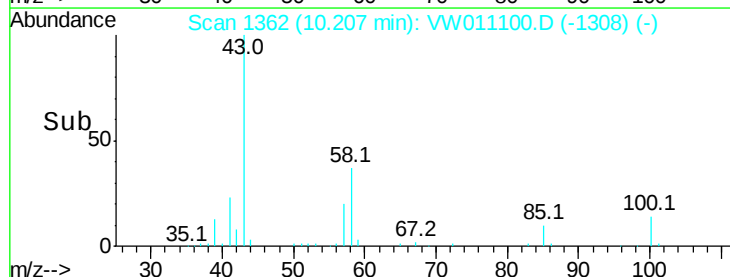
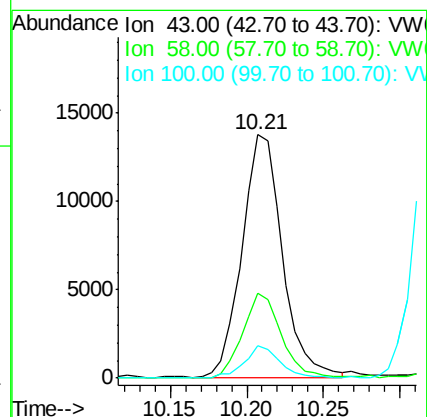
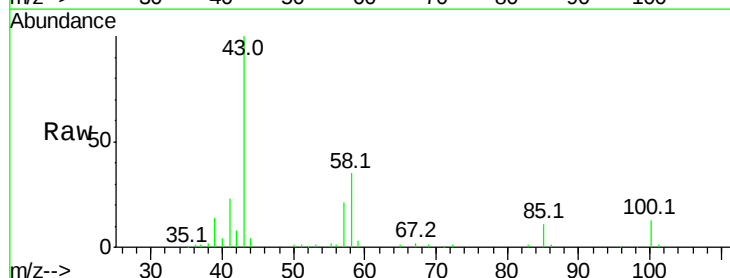
Tgt Ion: 43 Resp: 25099

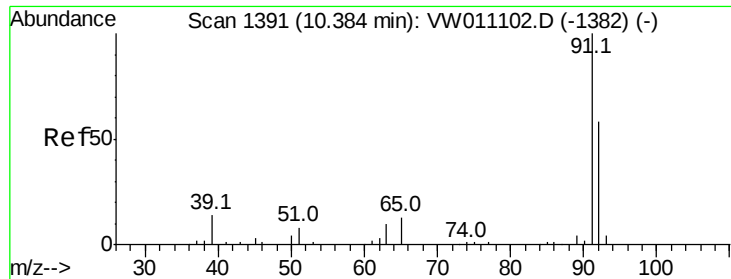
Ion Ratio Lower Upper

43 100

58 33.6 28.1 42.1

100 11.9 9.3 13.9





#44

Toluene

Concen: 2.325 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampled :

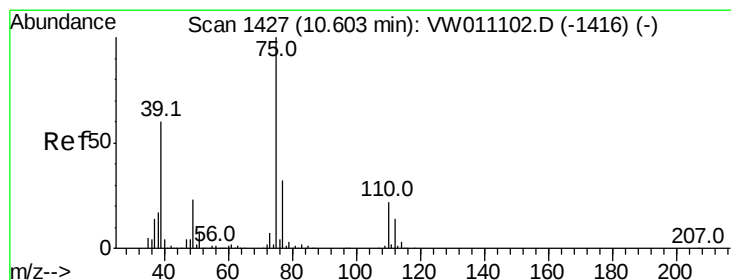
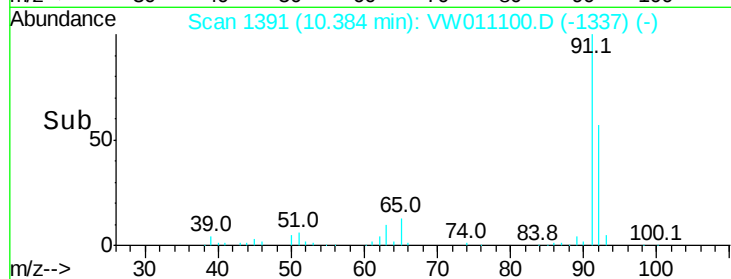
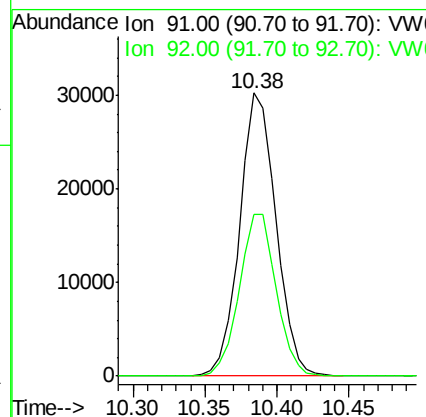
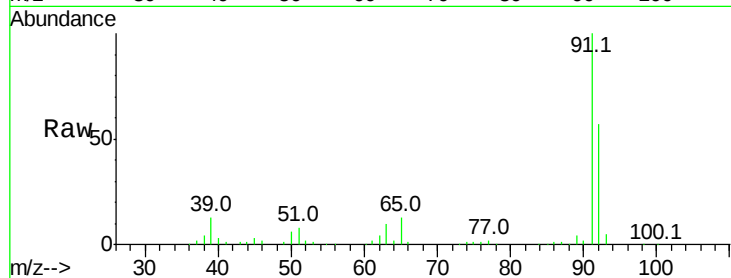
VSTD2.503

Tgt Ion: 91 Resp: 52876

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 2.003 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011100.D

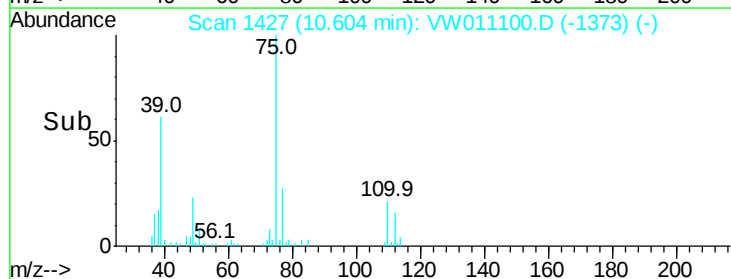
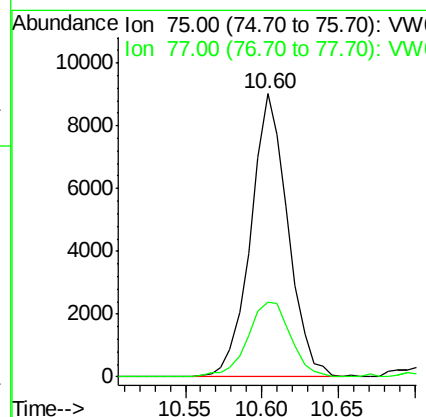
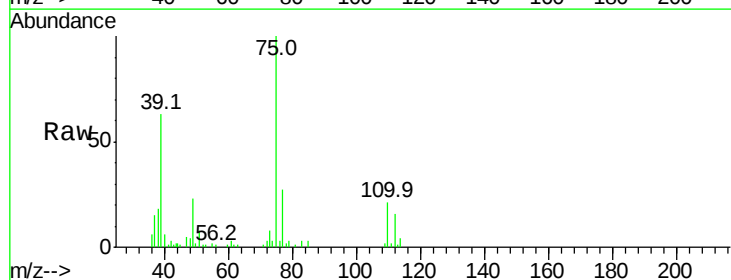
Acq: 02 Jul 2019 09:27

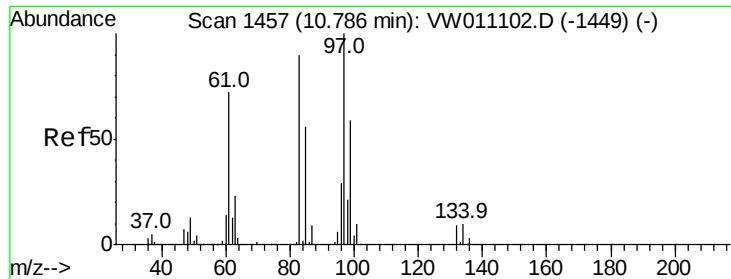
Tgt Ion: 75 Resp: 15243

Ion Ratio Lower Upper

75 100

77 26.6 22.3 41.5

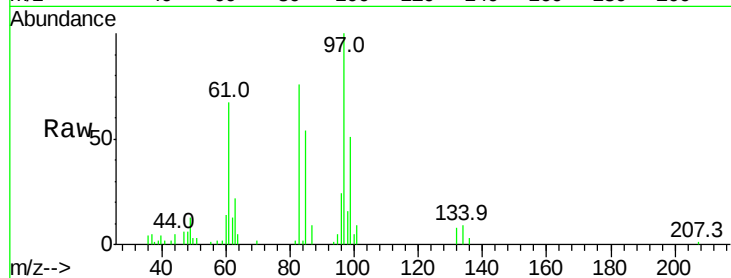




#46
 1,1,2-Trichloroethane
 Concen: 2.415 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD2.503

Tgt Ion:	97	Resp:	9907
Ion	Ratio	Lower	Upper
97	100		
83	76.1	63.1	117.3
85	54.1	39.0	72.4
99	51.2	41.5	77.1



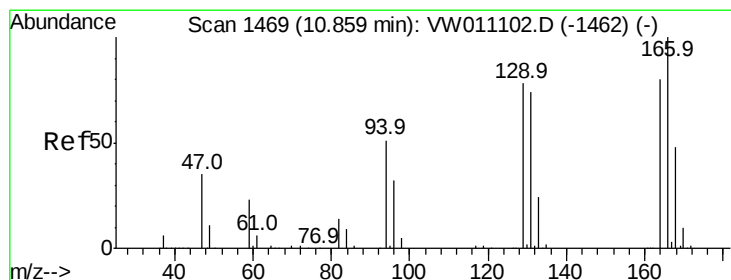
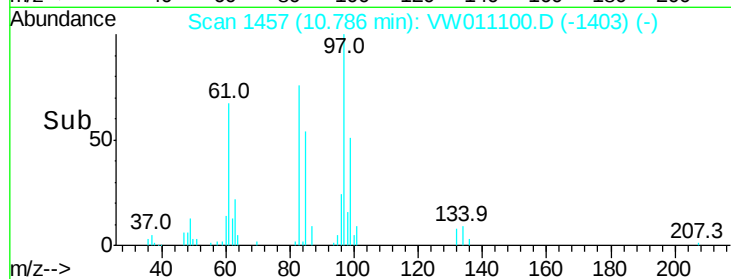
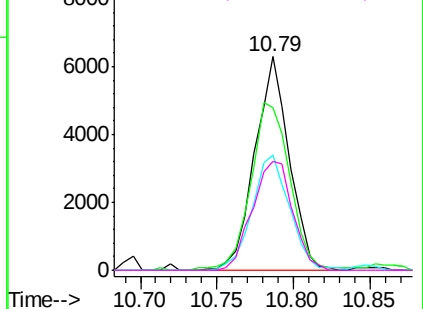
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

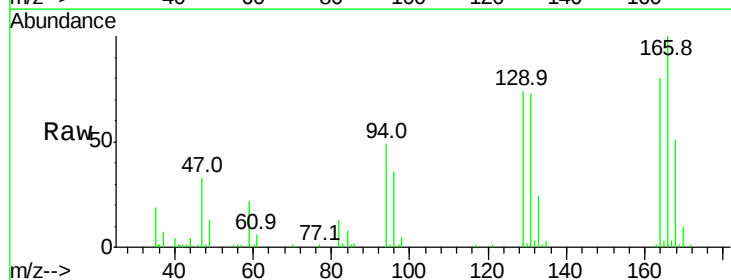
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 2.389 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Tgt Ion:	164	Resp:	9993
Ion	Ratio	Lower	Upper
164	100		
129	93.1	68.5	127.1
131	92.0	64.8	120.4
166	125.6	87.9	163.3



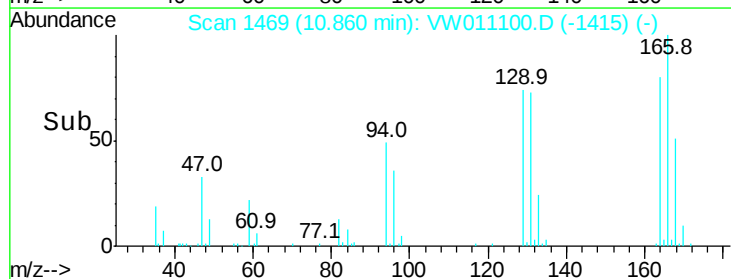
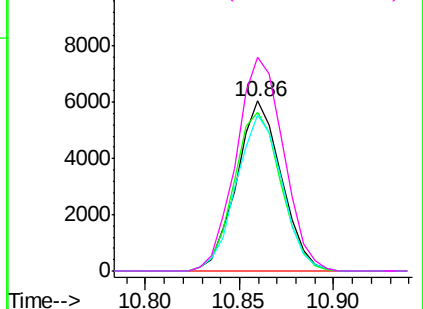
Abundance

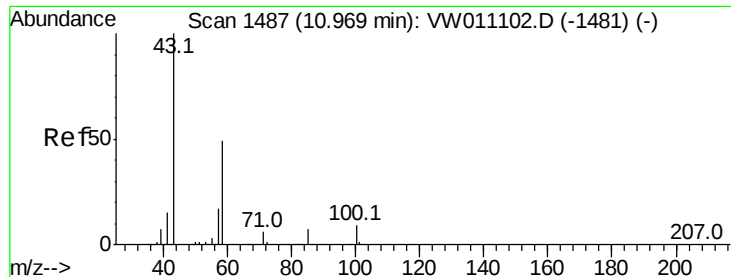
Ion 164.00 (163.70 to 164.70): V

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: 4.500 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

Tgt Ion: 43 Resp: 17784

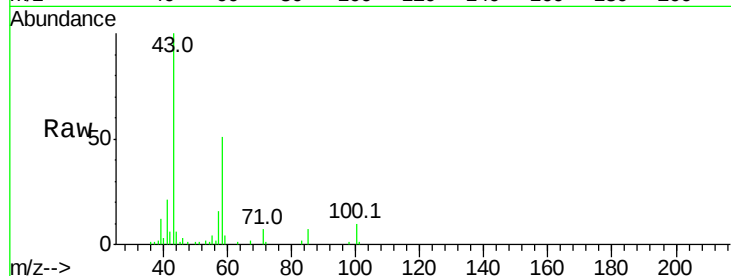
Ion Ratio Lower Upper

43 100

58 54.3 38.4 57.6

57 18.5 13.3 19.9

100 10.7 7.3 10.9

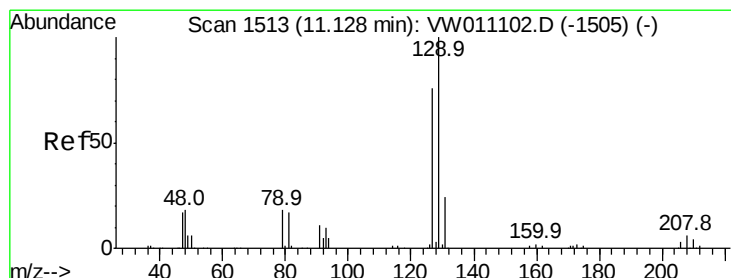
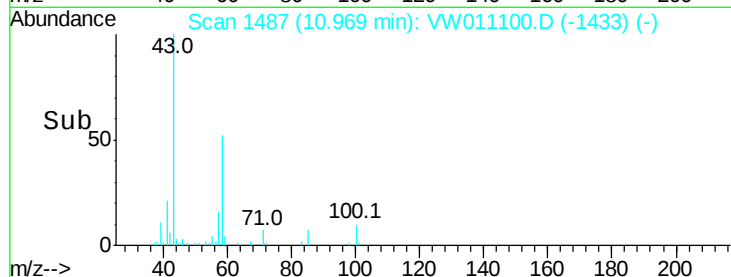
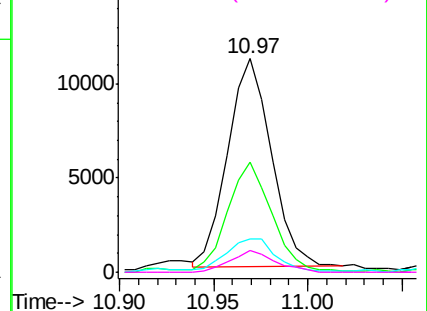


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.079 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011100.D

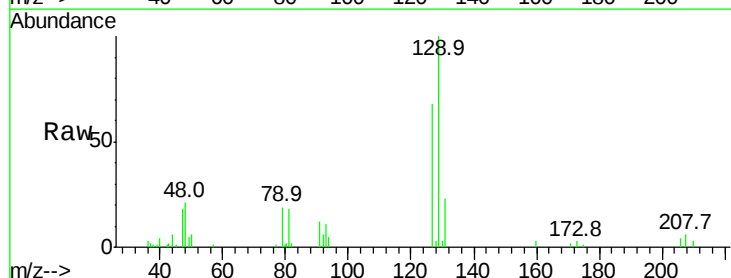
Acq: 02 Jul 2019 09:27

Tgt Ion: 129 Resp: 9393

Ion Ratio Lower Upper

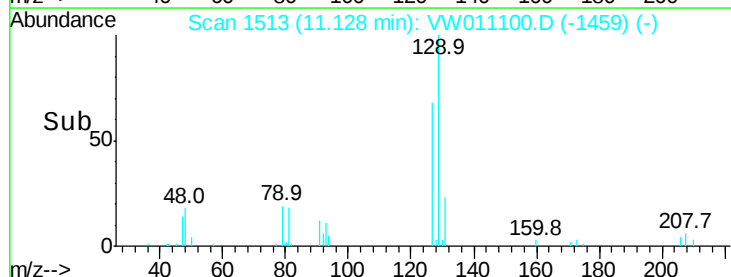
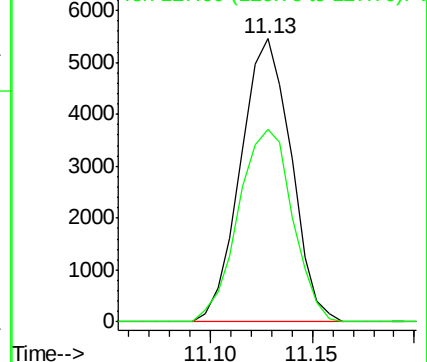
129 100

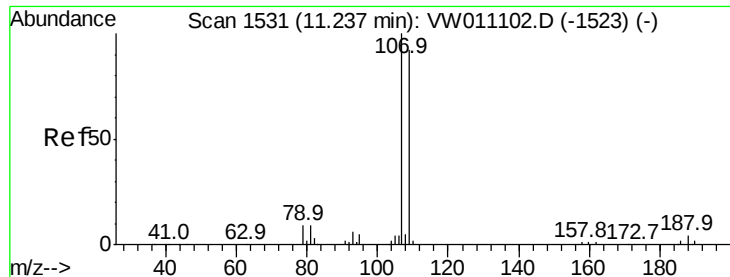
127 67.9 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

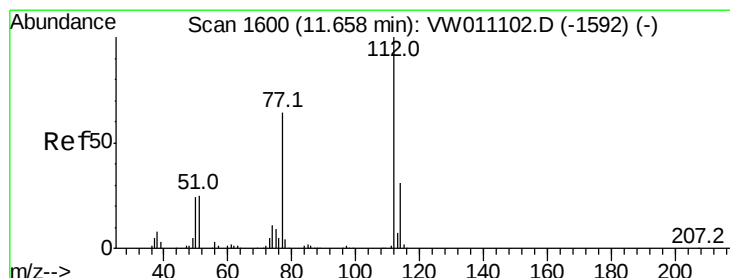
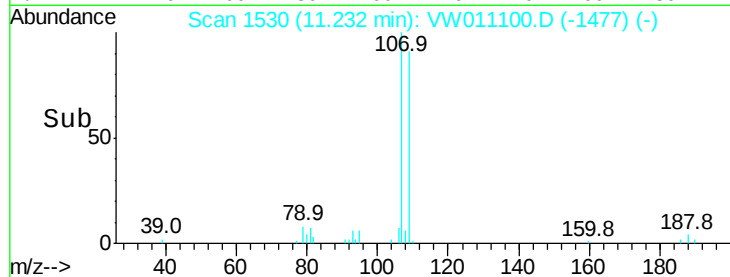
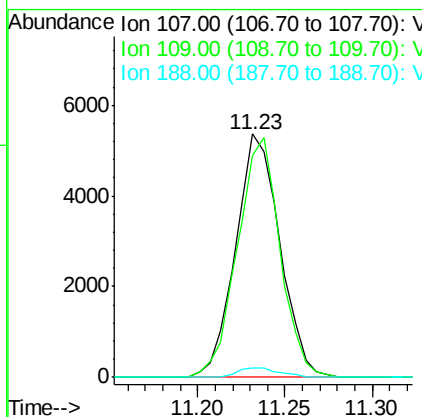
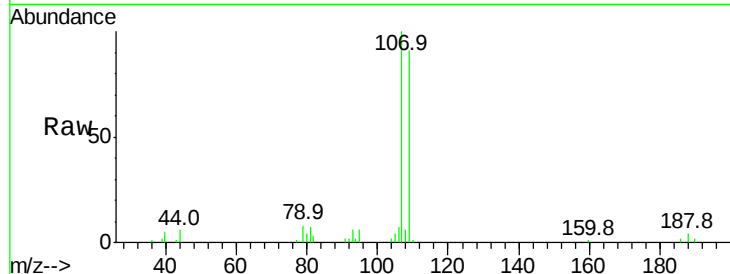




#51
1,2-Dibromoethane
Concen: 2.384 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

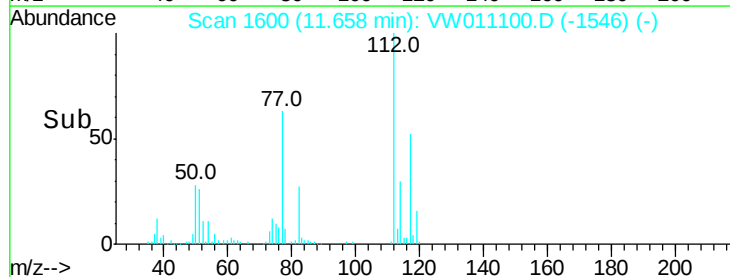
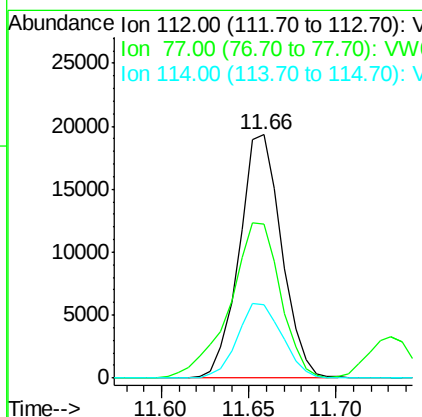
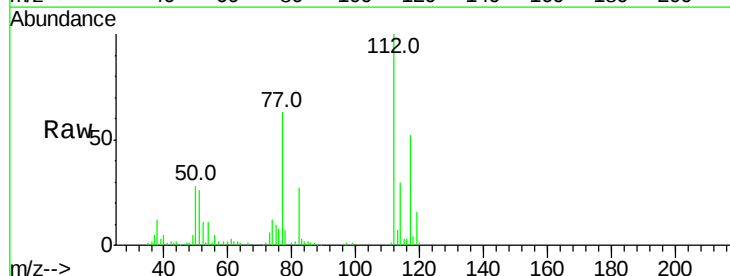
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

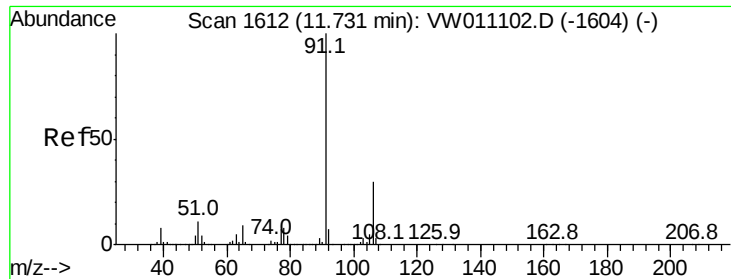
Tgt Ion:107 Resp: 9458
Ion Ratio Lower Upper
107 100
109 91.3 64.3 119.3
188 4.0 3.2 4.8



#52
Chlorobenzene
Concen: 2.379 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

Tgt Ion:112 Resp: 32556
Ion Ratio Lower Upper
112 100
77 63.3 51.2 76.8
114 30.2 22.0 40.8





#53

Ethylbenzene

Concen: 2.338 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

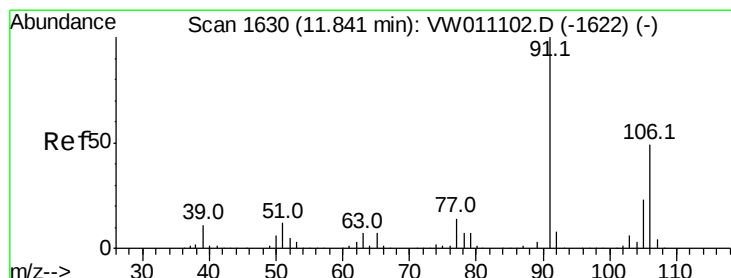
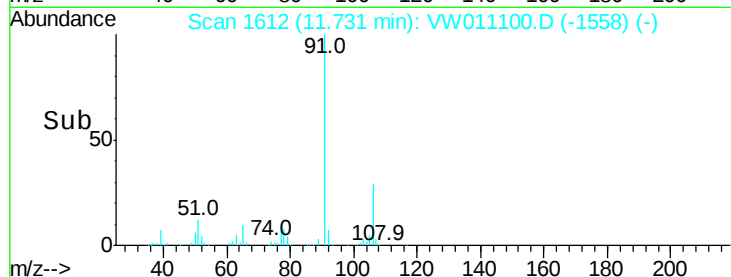
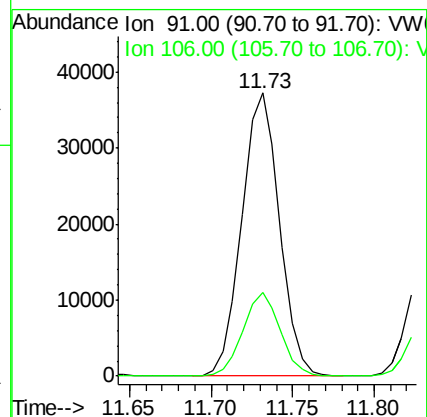
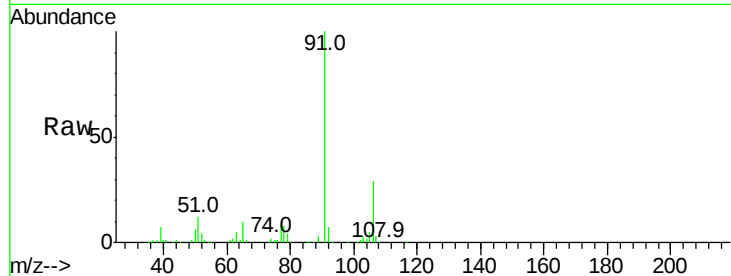
VSTD2.503

Tgt Ion: 91 Resp: 59891

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



#54

m,p-Xylene

Concen: 2.315 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011100.D

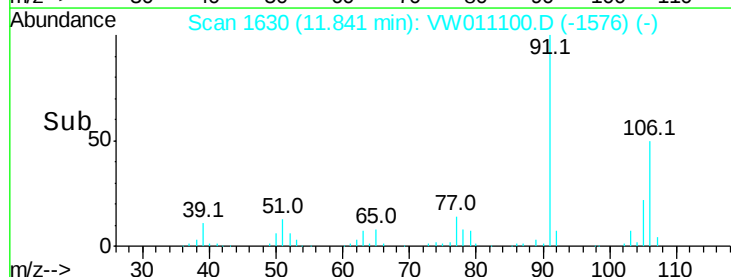
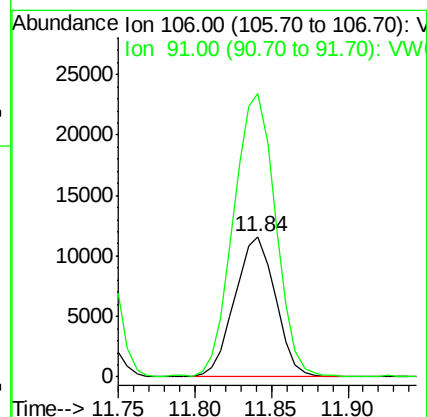
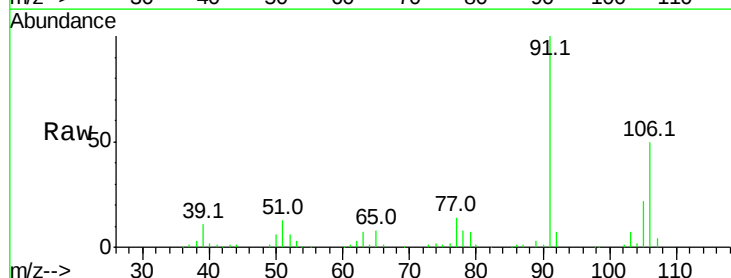
Acq: 02 Jul 2019 09:27

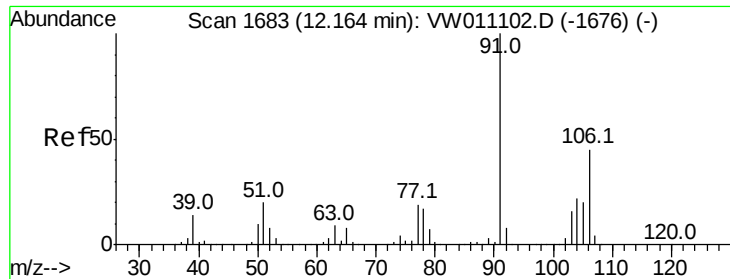
Tgt Ion: 106 Resp: 21519

Ion Ratio Lower Upper

106 100

91 201.8 142.6 264.8

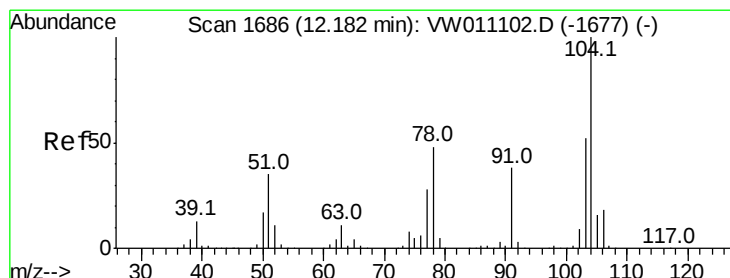
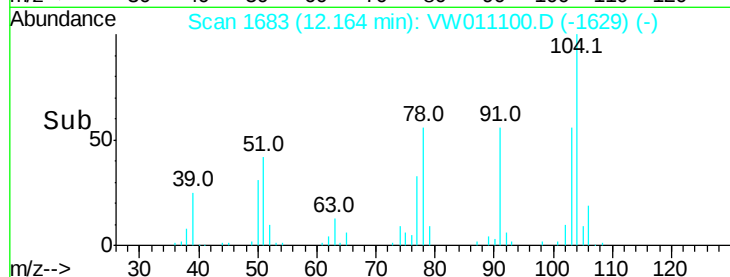
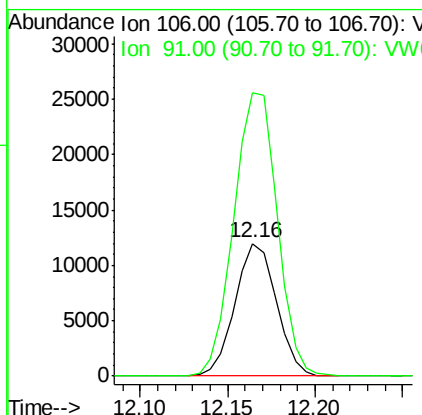
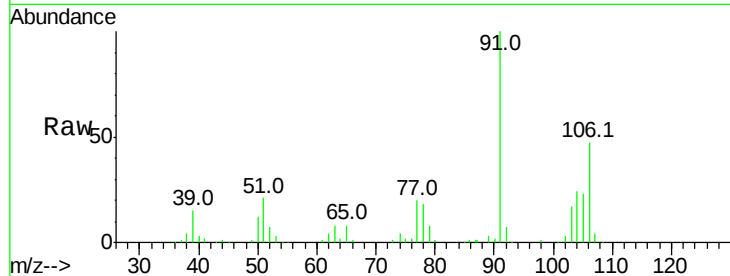




#55
o-xylene
Concen: 2.216 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

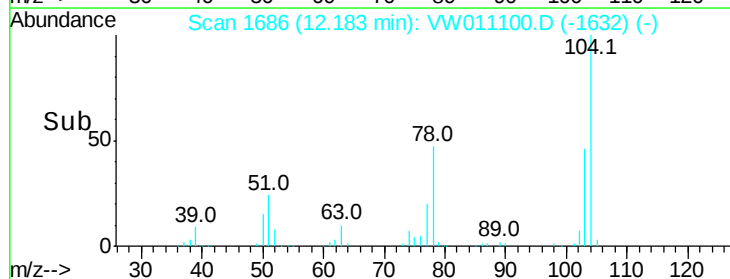
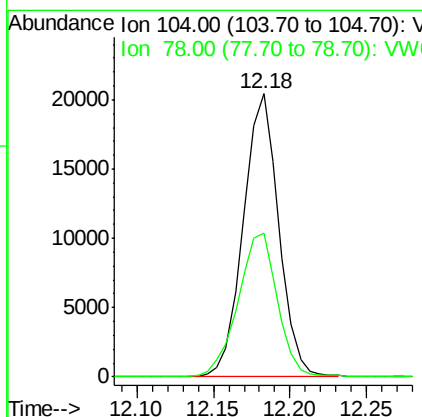
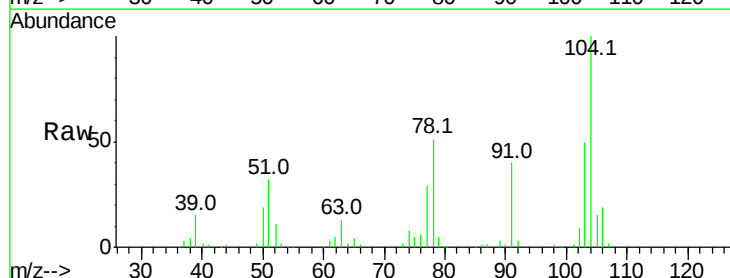
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.503

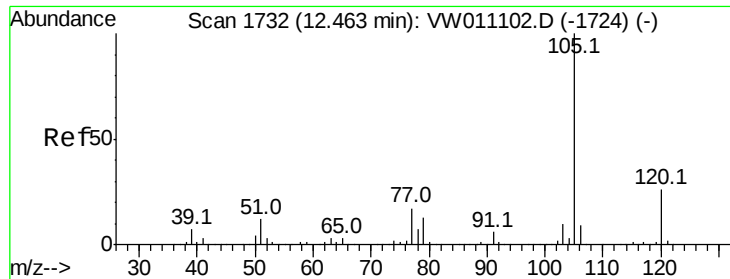
Tgt Ion:106 Resp: 19765
Ion Ratio Lower Upper
106 100
91 213.6 154.6 287.2



#56
Styrene
Concen: 2.140 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011100.D
Acq: 02 Jul 2019 09:27

Tgt Ion:104 Resp: 32923
Ion Ratio Lower Upper
104 100
78 50.7 33.7 62.7





#57

Isopropylbenzene

Concen: 2.251 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

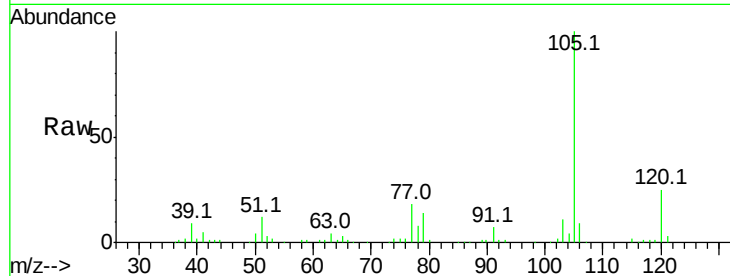
Tgt Ion: 105 Resp: 54475

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

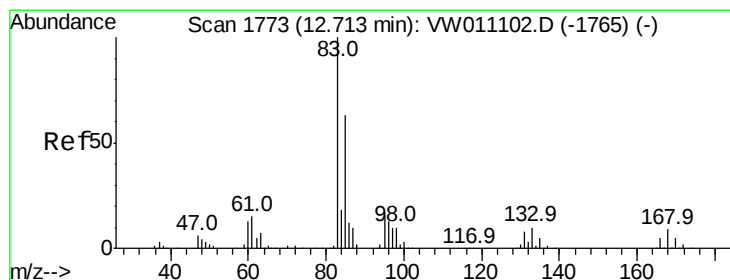
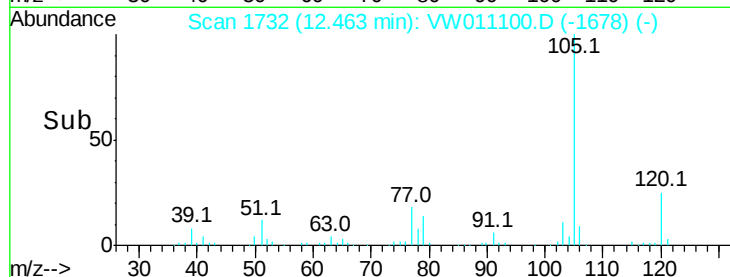
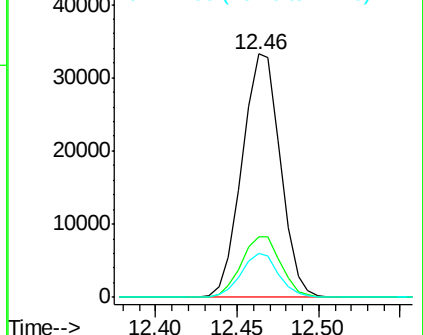
77 17.6 13.5 20.3



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: 2.371 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

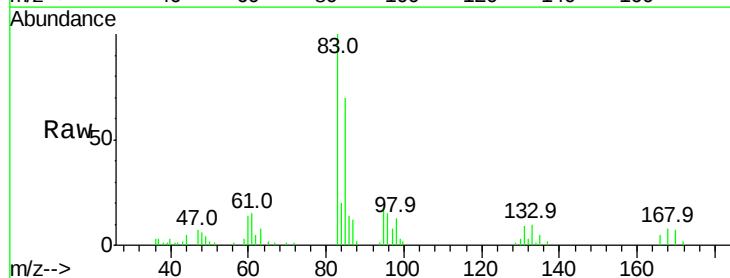
Tgt Ion: 83 Resp: 12716

Ion Ratio Lower Upper

83 100

85 69.8 44.0 81.6

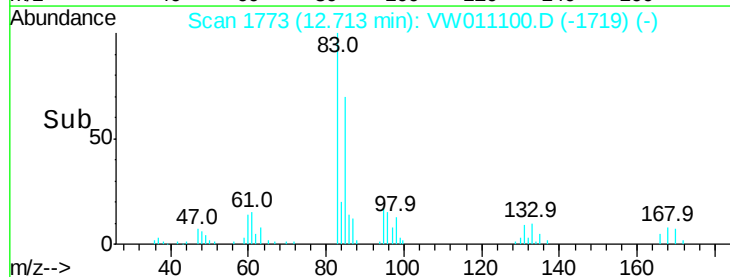
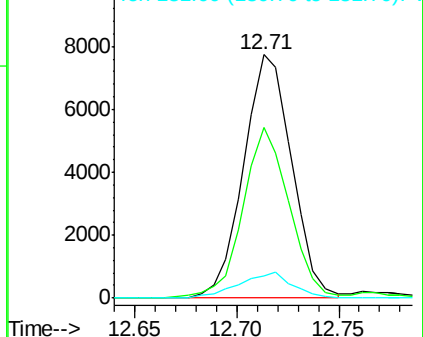
131 9.3 6.7 10.1

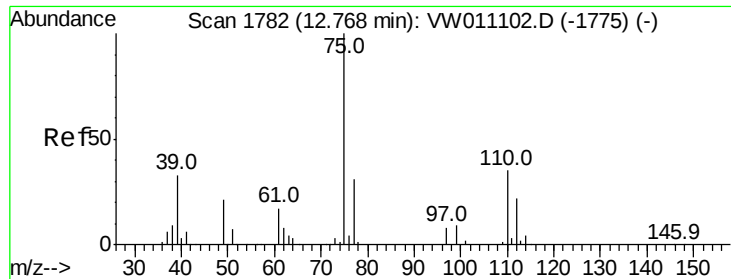


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.450 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

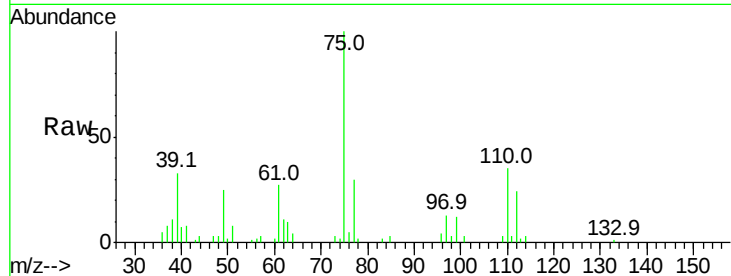
VSTD2.503

Tgt Ion: 75 Resp: 10204

Ion Ratio Lower Upper

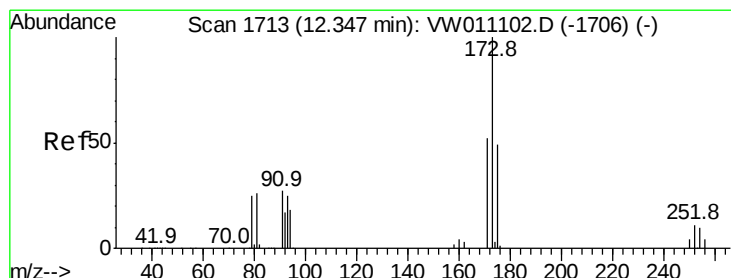
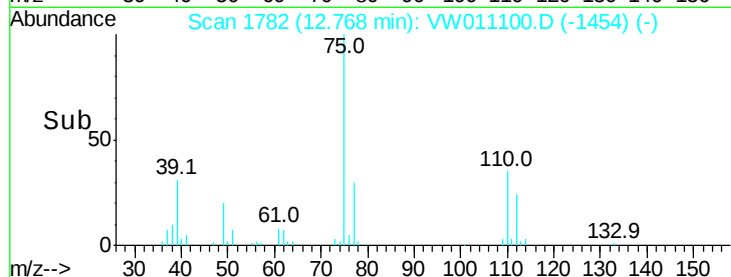
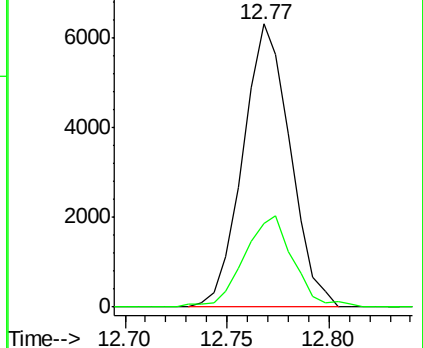
75 100

77 30.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 2.180 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

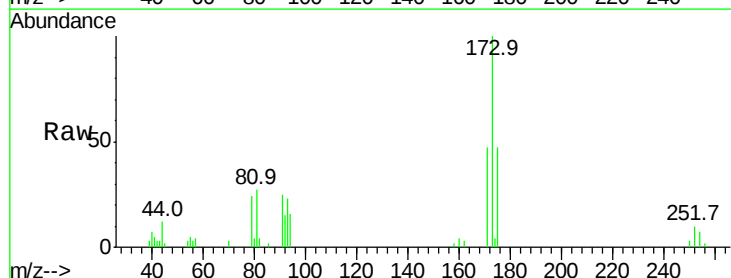
Tgt Ion: 173 Resp: 5372

Ion Ratio Lower Upper

173 100

175 50.7 39.0 58.6

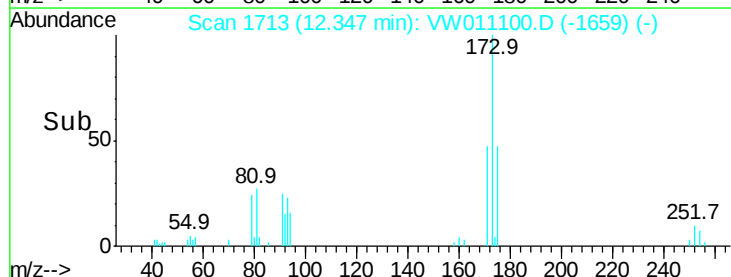
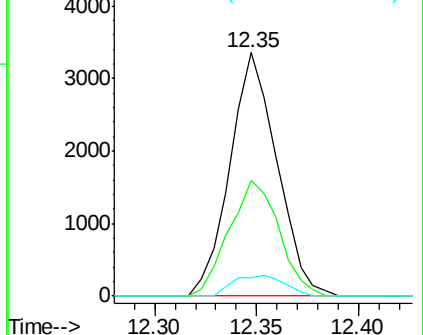
254 9.2 8.5 12.7

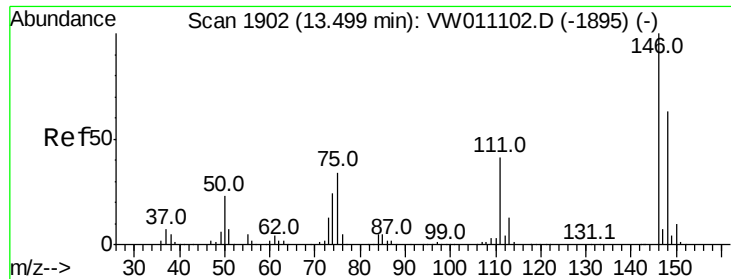


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

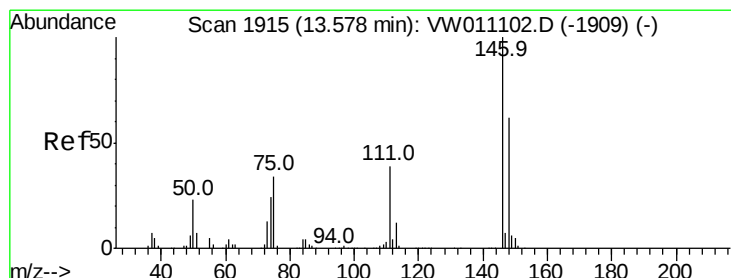
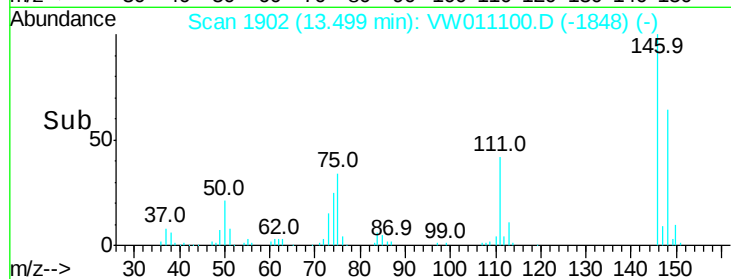
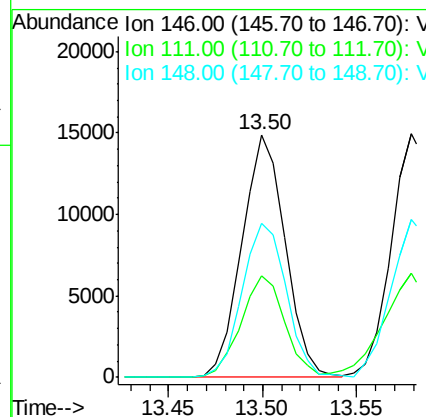
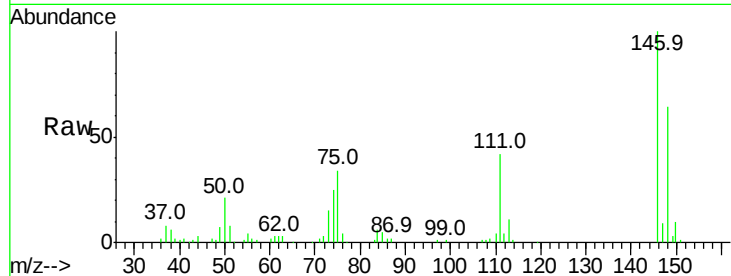




#63
 1,3-Dichlorobenzene
 Concen: 2.365 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

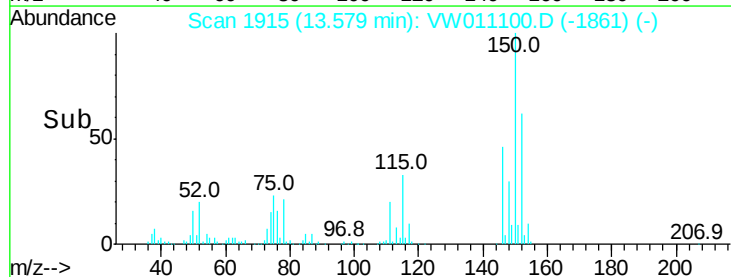
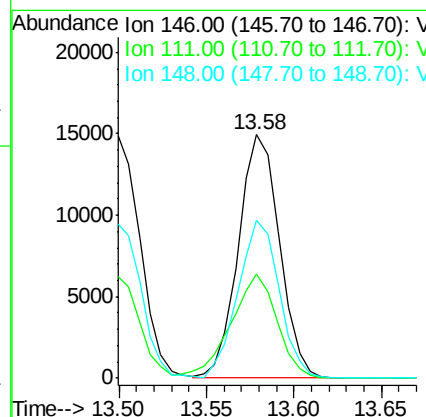
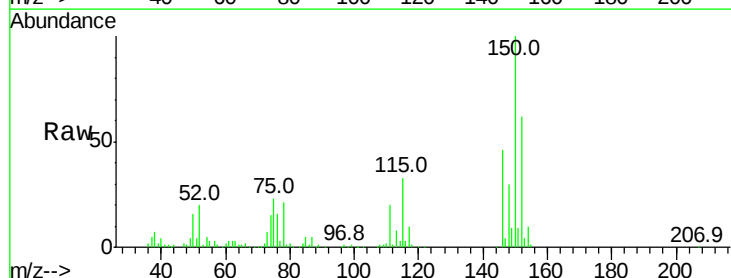
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

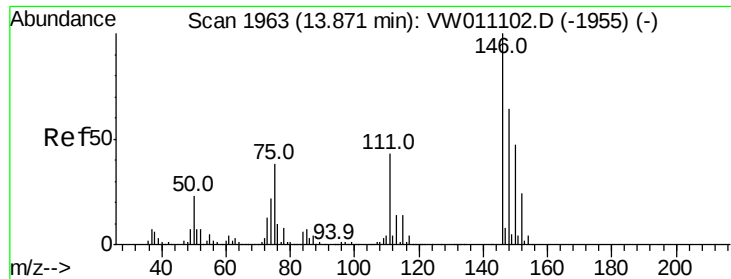
Tgt Ion:146 Resp: 23707
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.0 53.8
 148 63.7 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 2.428 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Tgt Ion:146 Resp: 24449
 Ion Ratio Lower Upper
 146 100
 111 42.6 27.5 51.1
 148 65.0 43.8 81.3

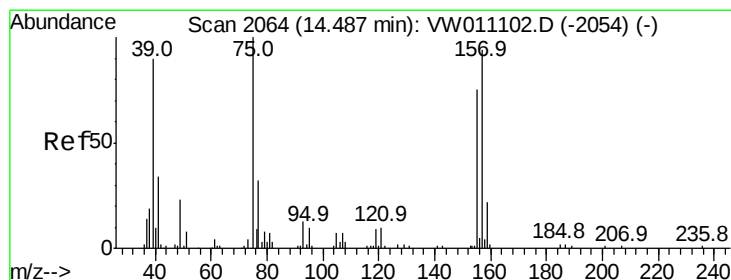
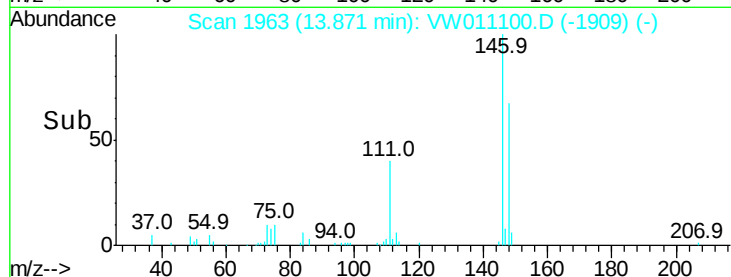
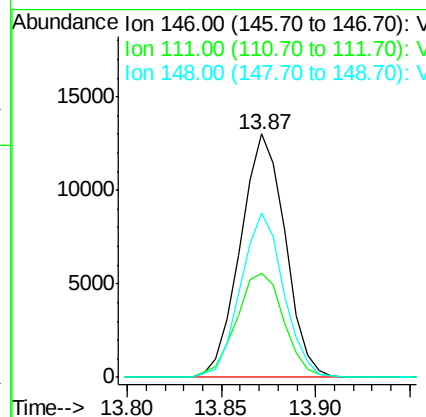
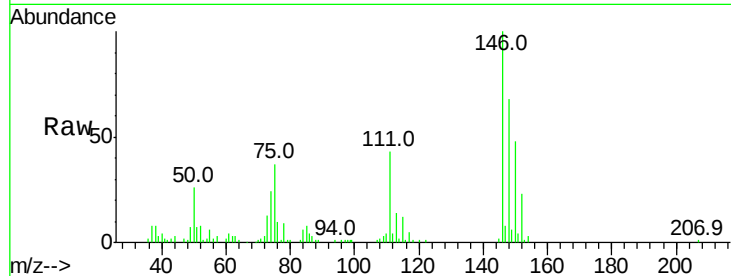




#65
 1,2-Dichlorobenzene
 Concen: 2.314 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

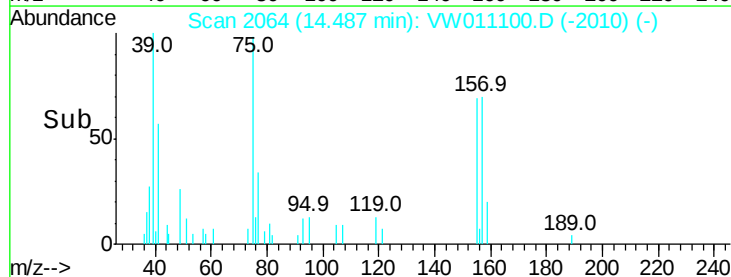
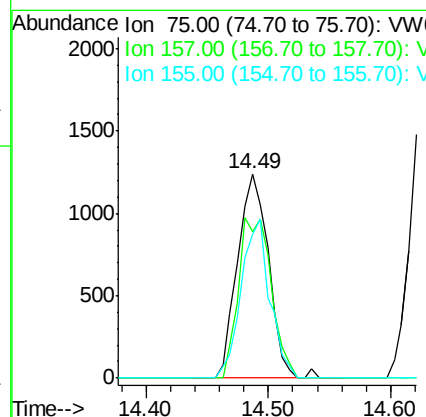
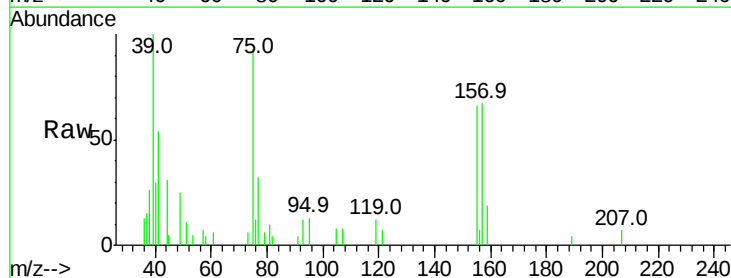
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

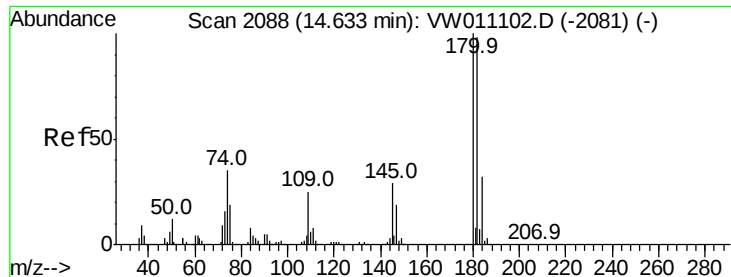
Tgt Ion: 146 Resp: 21458
 Ion Ratio Lower Upper
 146 100
 111 42.6 34.1 51.1
 148 67.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.293 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Tgt Ion: 75 Resp: 2175
 Ion Ratio Lower Upper
 75 100
 157 71.8 75.3 112.9#
 155 70.8 60.2 90.2

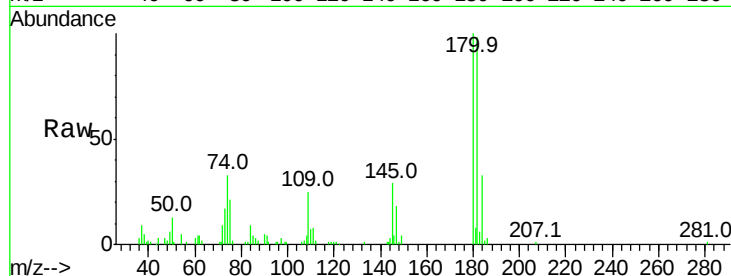




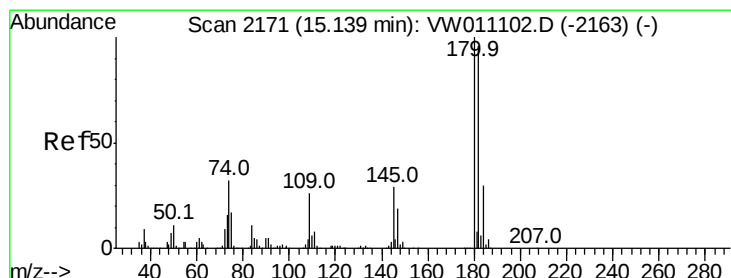
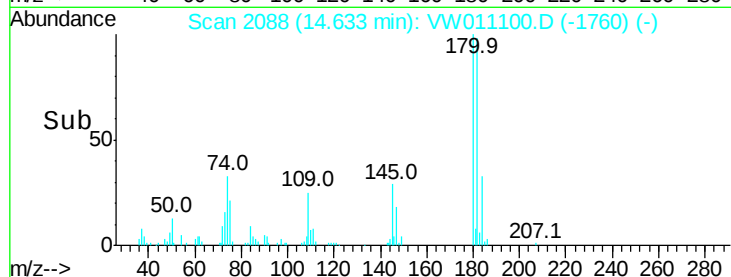
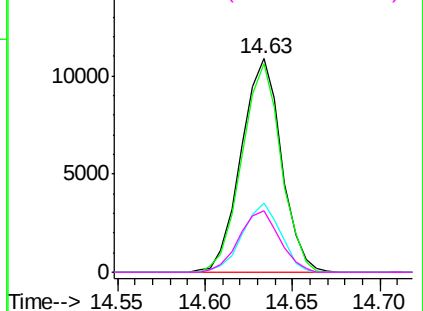
#67
 1,3,5-Trichlorobenzene
 Concen: 2.285 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Tgt Ion:180 Resp: 17432
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.0 115.4
 184 30.8 24.3 36.5
 145 29.1 24.2 36.2

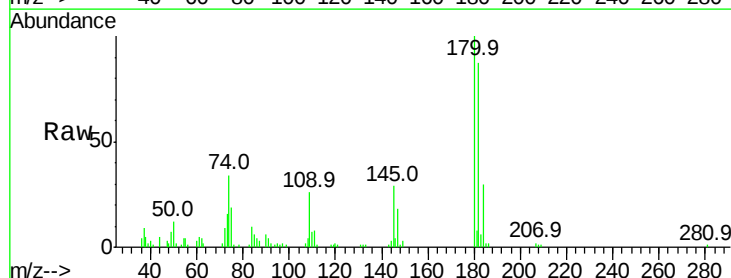


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

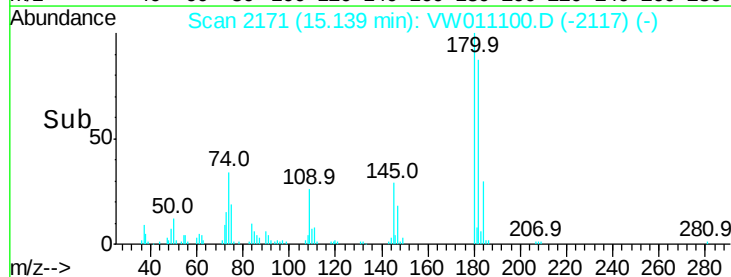
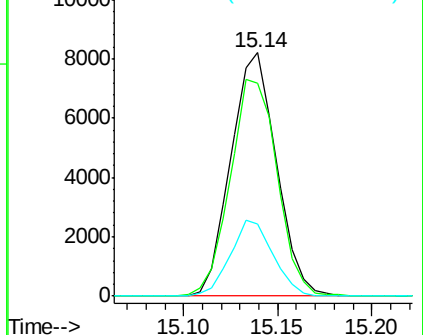


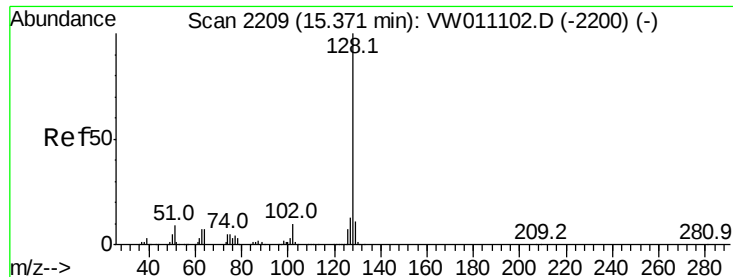
#68
 1,2,4-trichlorobenzene
 Concen: 2.129 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011100.D
 Acq: 02 Jul 2019 09:27

Tgt Ion:180 Resp: 13766
 Ion Ratio Lower Upper
 180 100
 182 91.7 77.0 115.6
 145 29.3 24.5 36.7



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: 1.881 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.503

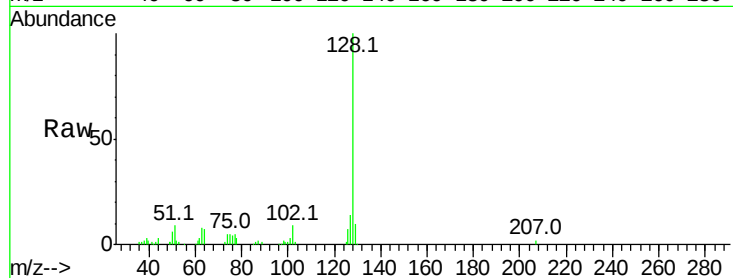
Tgt Ion:128 Resp: 25960

Ion Ratio Lower Upper

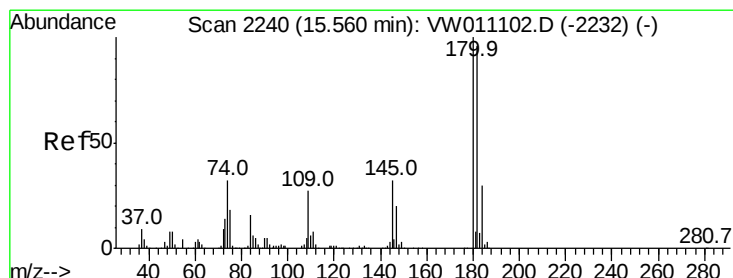
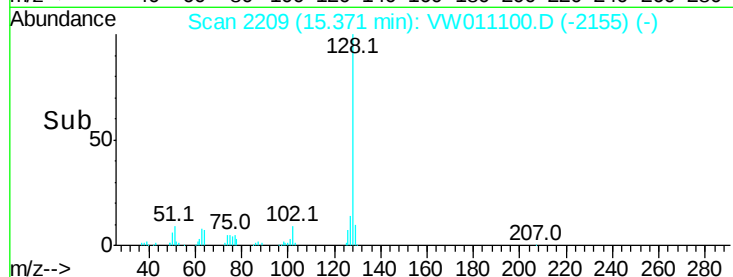
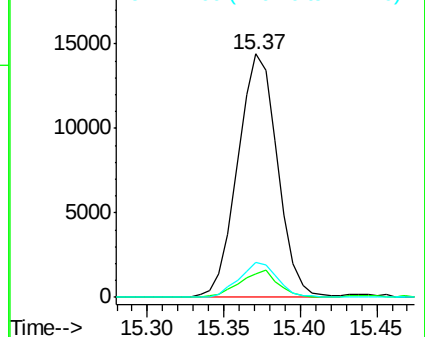
128 100

129 10.6 9.0 13.4

127 13.9 10.6 15.8



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: 2.127 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011100.D

Acq: 02 Jul 2019 09:27

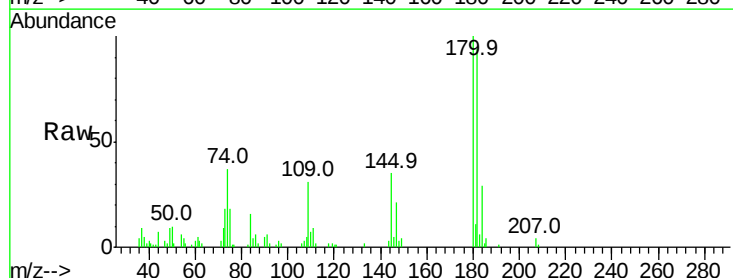
Tgt Ion:180 Resp: 12492

Ion Ratio Lower Upper

180 100

182 96.5 76.4 114.6

145 31.8 25.5 38.3



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

