

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017074.D
 Acq On : 04 Nov 2020 14:07
 Operator : SY/VA
 Sample : VSTD2.504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Quant Time: Nov 04 15:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 15:48:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	542969	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	499229	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	242787	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	15429	2.30	ug/L	0.00
7) Chloroethane-d5	2.89	69	11857	2.29	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	28823	2.28	ug/L	0.00
20) 2-Butanone-d5	7.09	46	6963	5.32	ug/L	0.00
24) Chloroform-d	7.65	84	29755	2.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14807	2.37	ug/L	0.00
29) Benzene-d6	8.27	84	58975	2.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	15960	2.19	ug/L	0.00
37) Toluene-d8	10.33	98	55886	2.22	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	6510	2.08	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4753	4.42	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13919	2.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20954	2.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12616	2.088 ug/L	95
3) Chloromethane	2.21	50	13345	2.525 ug/L	100
5) Vinyl chloride	2.36	62	18502	2.389 ug/L	95
6) Bromomethane	2.78	94	13143	2.491 ug/L	95
8) Chloroethane	2.93	64	11114	2.477 ug/L	97
9) Trichlorofluoromethane	3.26	101	14482	2.344 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	16932	2.282 ug/L	96
12) 1,1-Dichloroethene	4.04	96	16664	2.353 ug/L	92
13) Acetone	4.14	43	5439	6.290 ug/L	94
14) Carbon disulfide	4.39	76	46668	2.220 ug/L	100
15) Methyl Acetate	4.68	43	6116	2.741 ug/L	99
16) Methylene chloride	4.92	84	22274	3.070 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	20099	2.519 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	17311	2.346 ug/L	94
19) 1,1-Dichloroethane	6.21	63	27365	2.397 ug/L	96
21) 2-Butanone	7.18	43	8208	5.749 ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	18360	2.432 ug/L	93
23) Bromochloromethane	7.52	128	8475	2.396 ug/L	98
25) Chloroform	7.68	83	29690	2.427 ug/L	99
27) 1,2-Dichloroethane	8.40	62	17716	2.501 ug/L	100
30) Cyclohexane	7.96	56	22242	2.163 ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	25591	2.372 ug/L	99
32) Carbon tetrachloride	8.07	117	23798	2.292 ug/L	99
34) Benzene	8.33	78	65686	2.378 ug/L	100
35) Trichloroethene	9.09	95	19103	2.507 ug/L	96
36) Methylcyclohexane	9.34	83	28533	2.252 ug/L	97
40) 1,2-Dichloropropane	9.37	63	15198	2.439 ug/L	99
41) Bromodichloromethane	9.65	83	19733	2.320 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	21769	2.228 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	20458	6.539 ug/L	95

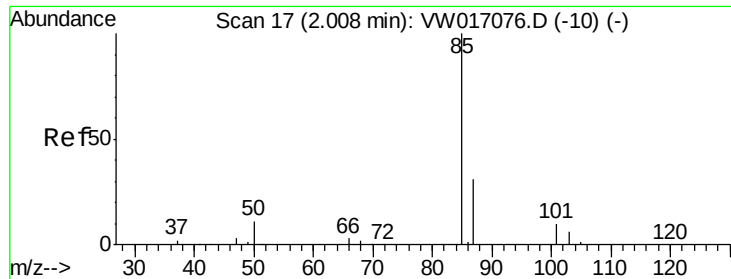
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017074.D
 Acq On : 04 Nov 2020 14:07
 Operator : SY/VA
 Sample : VSTD2.504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Quant Time: Nov 04 15:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 15:48:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	70555	2.356	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	17679	2.159	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	12997	2.557	ug/L	95
47) Tetrachloroethene	10.87	164	17460	2.501	ug/L	93
49) 2-Hexanone	10.98	43	9437	4.738	ug/L	97
50) Dibromochloromethane	11.13	129	14596	2.362	ug/L	94
51) 1,2-Dibromoethane	11.24	107	12196	2.493	ug/L #	94
52) Chlorobenzene	11.66	112	48365	2.406	ug/L	97
53) Ethylbenzene	11.73	91	79320	2.366	ug/L	98
54) m,p-Xylene	11.84	106	29538	2.241	ug/L	92
55) o-xylene	12.17	106	27991	2.264	ug/L	91
56) Styrene	12.18	104	44473	2.154	ug/L	91
57) Isopropylbenzene	12.46	105	74367	2.196	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	14425	2.580	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	10470	2.615	ug/L	98
62) Bromoform	12.35	173	8302	2.333	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	37235	2.360	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	39214	2.487	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	34223	2.428	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	2003	2.484	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	26474	2.287	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	19110	2.113	ug/L	99
69) Naphthalene	15.36	128	30129	1.966	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	18193	2.276	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.088 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

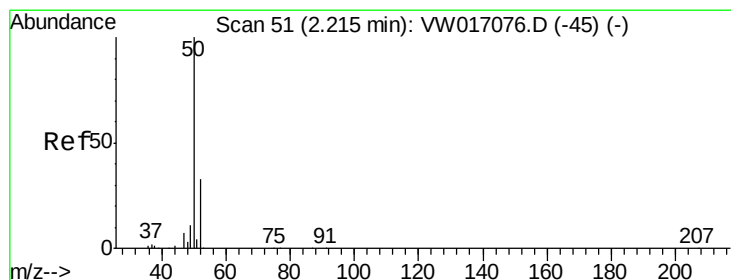
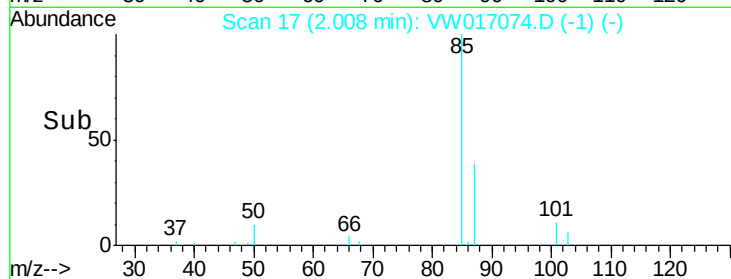
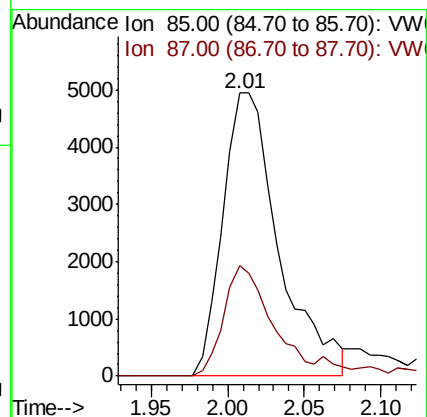
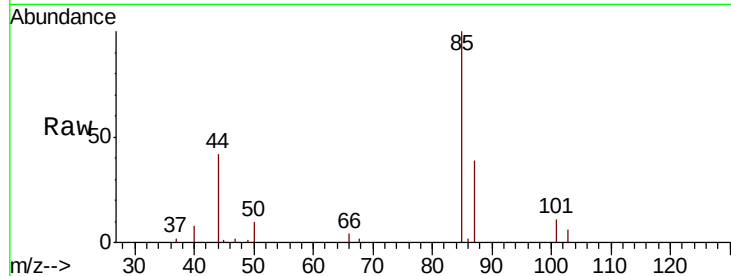
VSTD2.504

Tot Ion: 85 Resp: 12616

Ion Ratio Lower Upper

85 100

87 33.3 21.5 39.9



#3

Chloromethane

Concen: 2.525 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017074.D

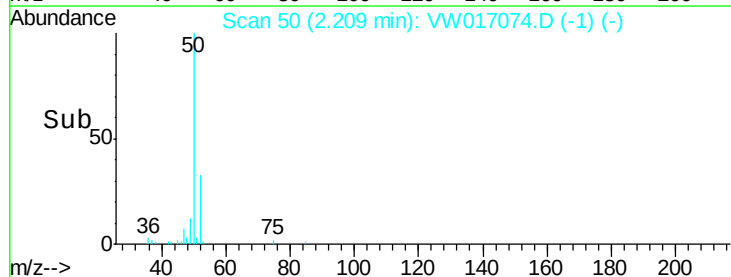
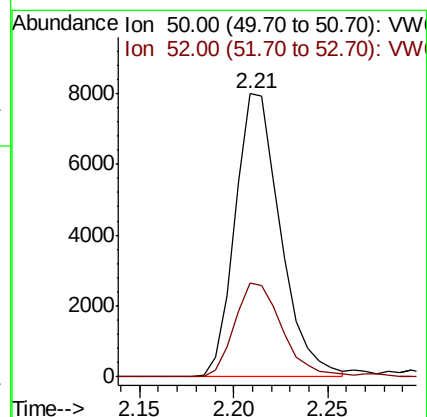
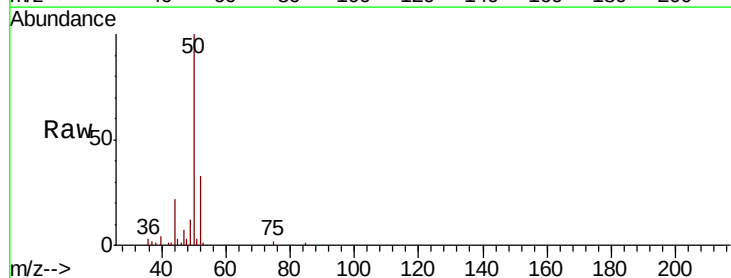
Acq: 04 Nov 2020 14:07

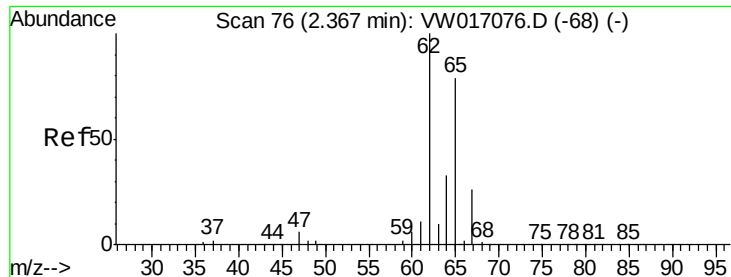
Tgt Ion: 50 Resp: 13345

Ion Ratio Lower Upper

50 100

52 33.2 23.1 42.9





#5

Vinyl chloride

Concen: 2.389 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

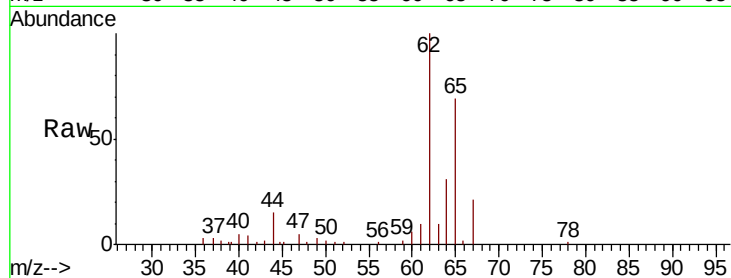
VSTD2.504

Tot Ion: 62 Resp: 18502

Ion Ratio Lower Upper

62 100

64 30.7 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

12000

10000

8000

6000

4000

2000

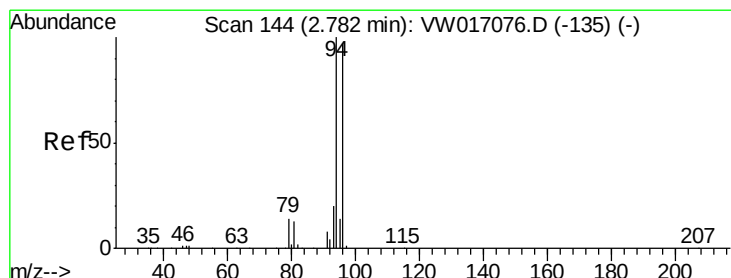
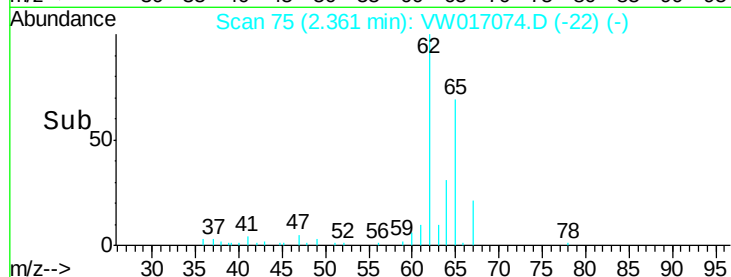
0

Time-->

2.30

2.35

2.40



#6

Bromomethane

Concen: 2.491 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017074.D

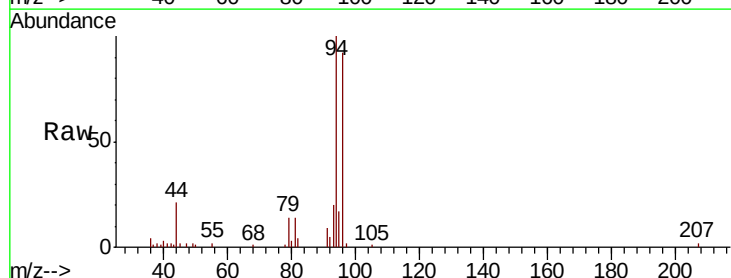
Acq: 04 Nov 2020 14:07

Tgt Ion: 94 Resp: 13143

Ion Ratio Lower Upper

94 100

96 90.6 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

6000

4000

2000

0

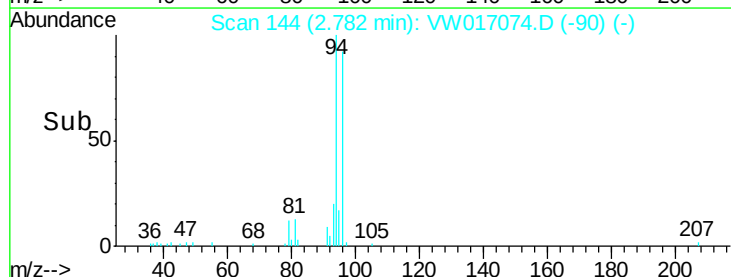
Time-->

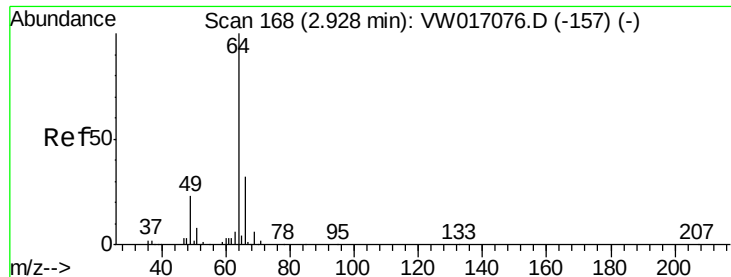
2.70

2.75

2.80

2.85





#8

Chloroethane

Concen: 2.477 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

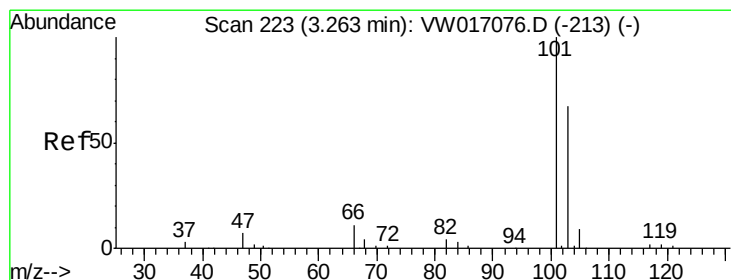
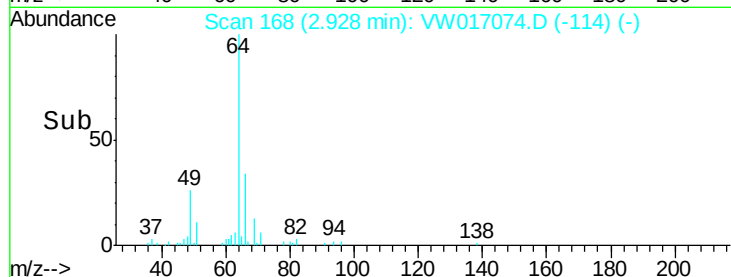
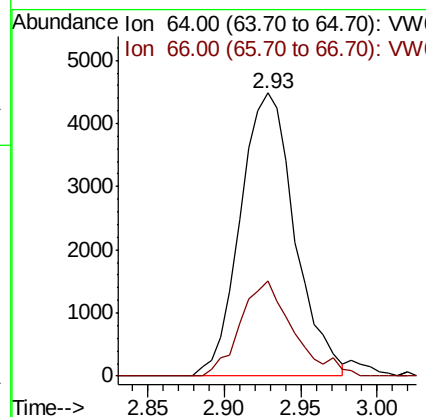
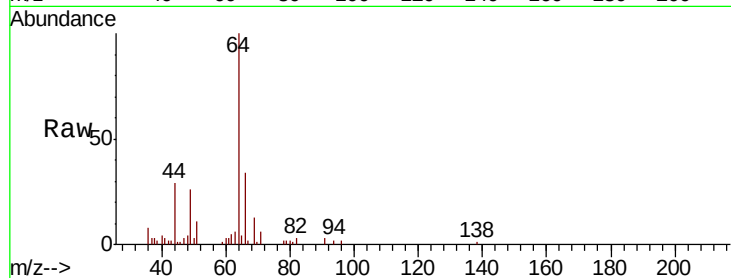
VSTD2.504

Tot Ion: 64 Resp: 11114

Ion Ratio Lower Upper

64 100

66 33.8 22.3 41.5



#9

Trichlorofluoromethane

Concen: 2.344 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017074.D

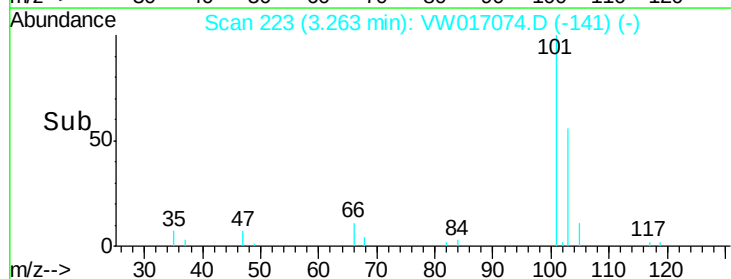
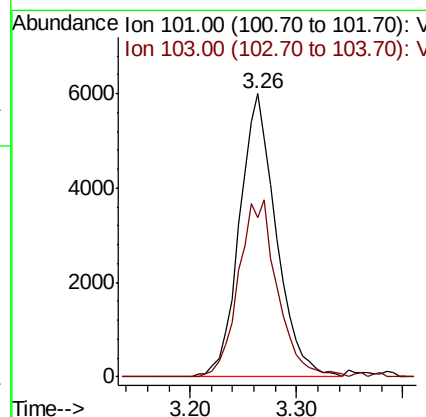
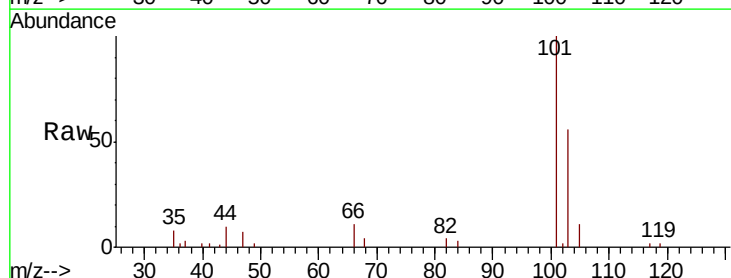
Acq: 04 Nov 2020 14:07

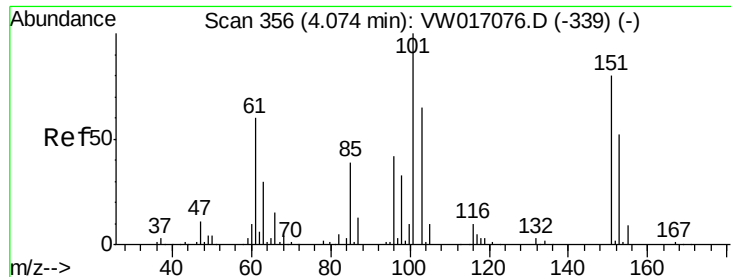
Tgt Ion: 101 Resp: 14482

Ion Ratio Lower Upper

101 100

103 65.4 45.4 84.2





#11

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

Concen: 2.282 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

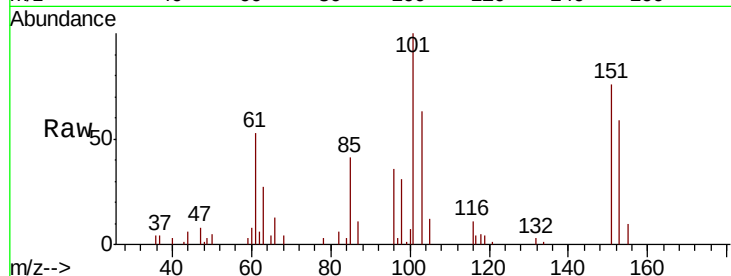
Tot Ion: 101 Resp: 16932

Ion Ratio Lower Upper

101 100

85 40.3 32.8 49.2

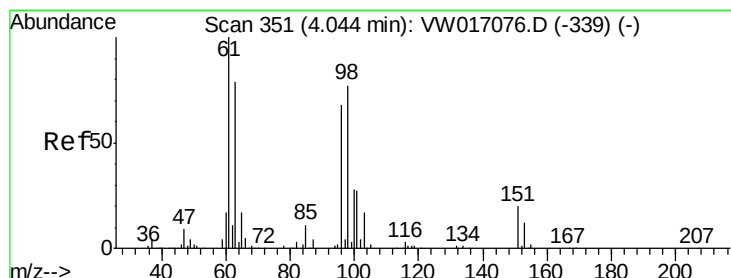
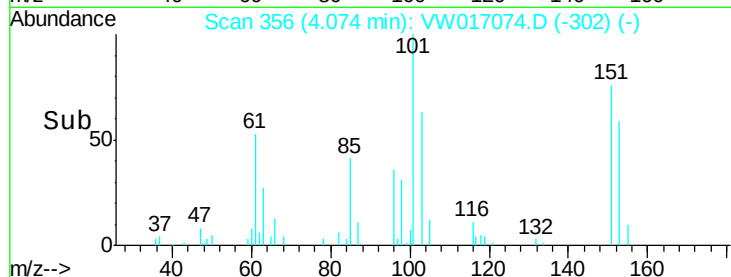
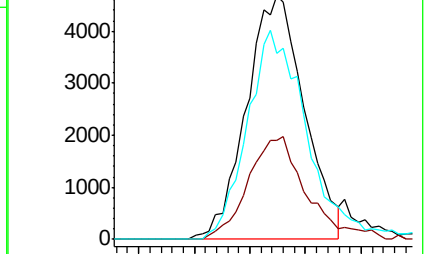
151 86.6 65.4 98.2



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: 2.353 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

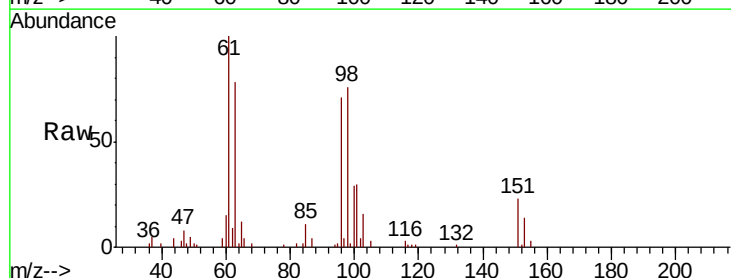
Tgt Ion: 96 Resp: 16664

Ion Ratio Lower Upper

96 100

61 140.6 103.8 192.8

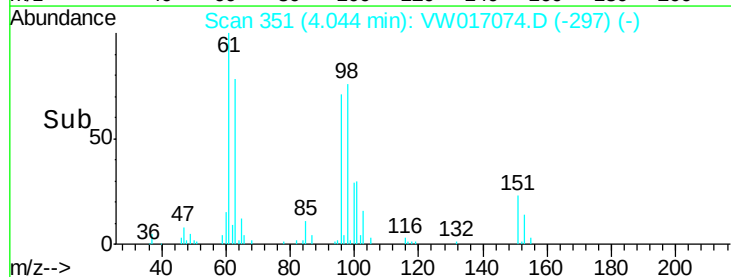
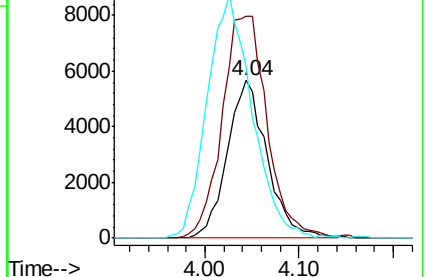
63 109.1 84.4 156.7

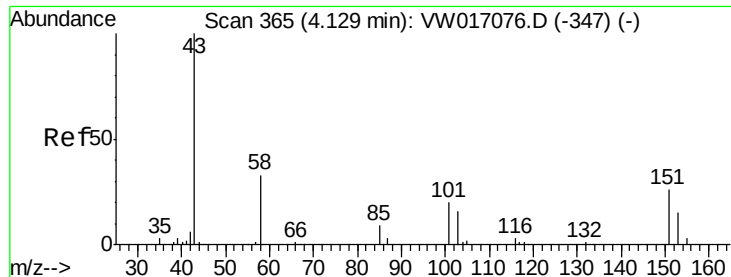


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.290 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

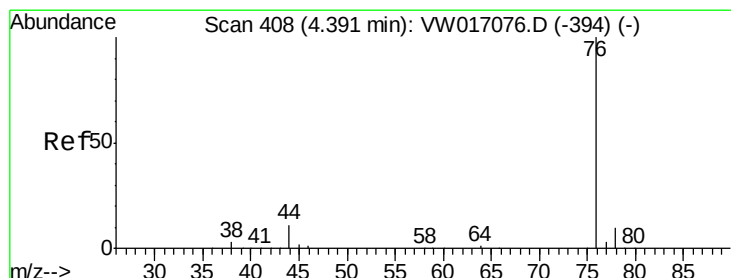
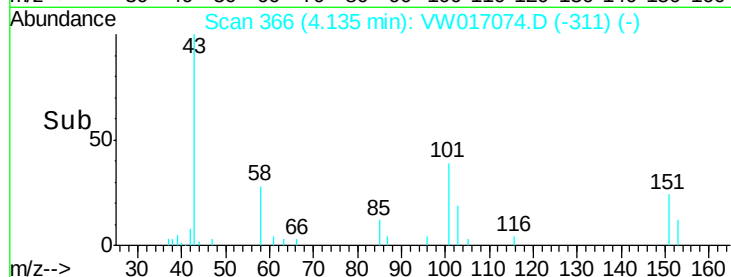
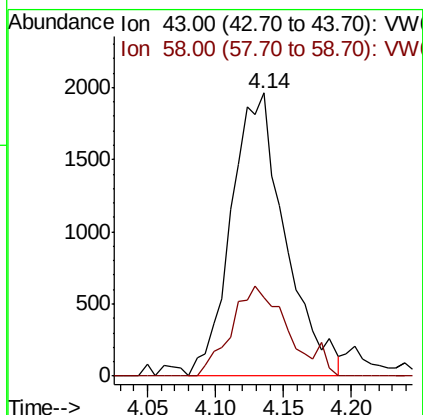
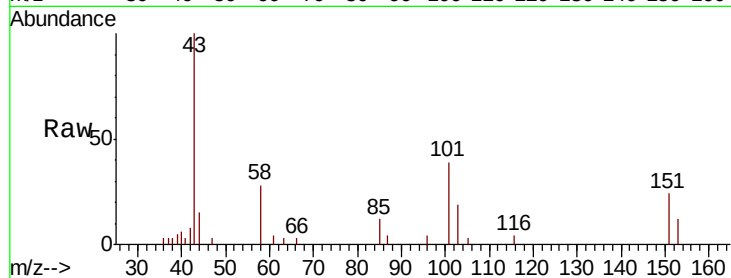
VSTD2.504

Tot Ion: 43 Resp: 5439

Ion Ratio Lower Upper

43 100

58 31.3 0.0 69.2



#14

Carbon disulfide

Concen: 2.220 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017074.D

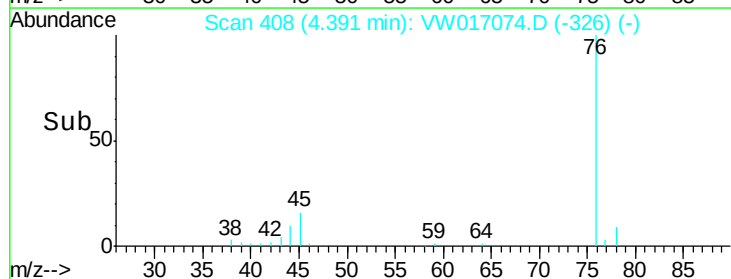
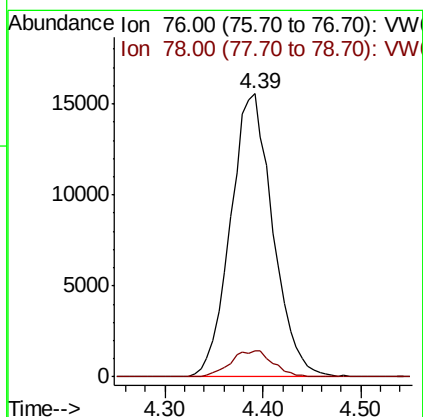
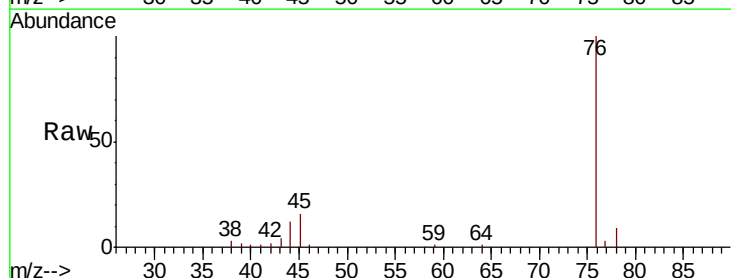
Acq: 04 Nov 2020 14:07

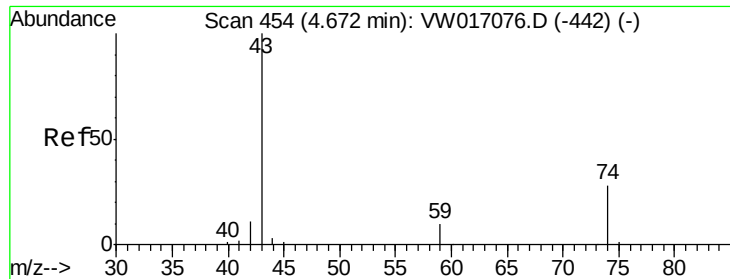
Tgt Ion: 76 Resp: 46668

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

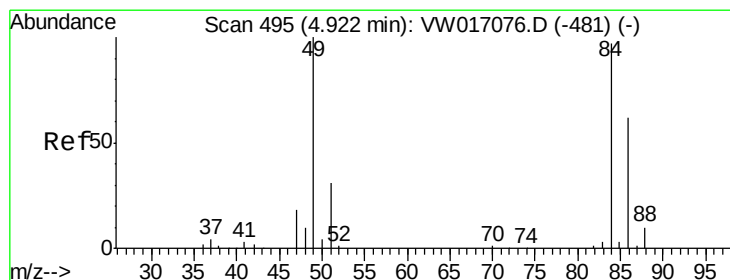
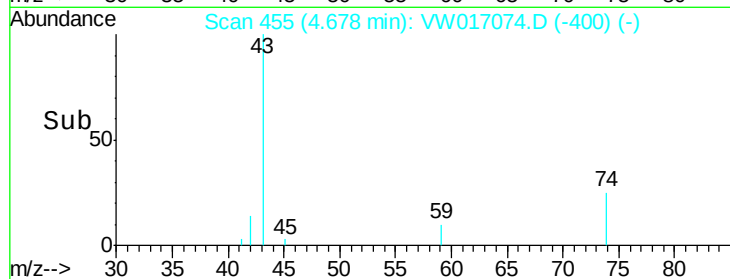
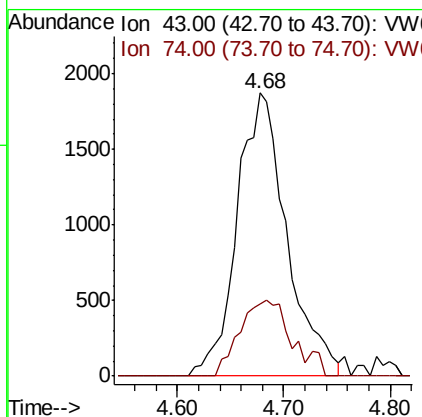
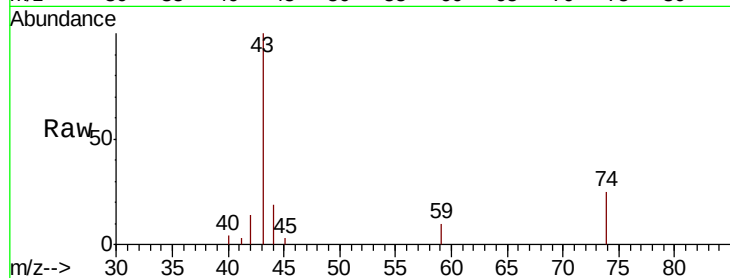




#15
Methyl Acetate
Concen: 2.741 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017074.D
Acq: 04 Nov 2020 14:07

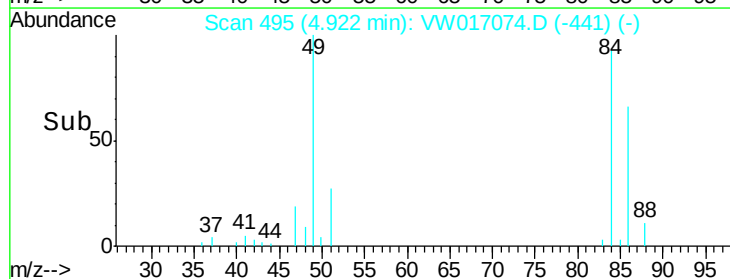
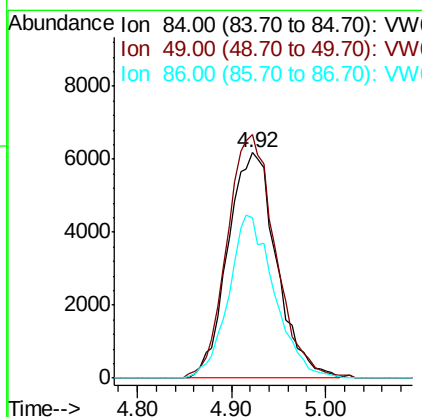
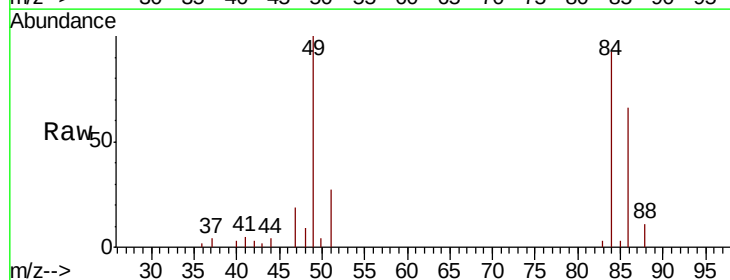
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

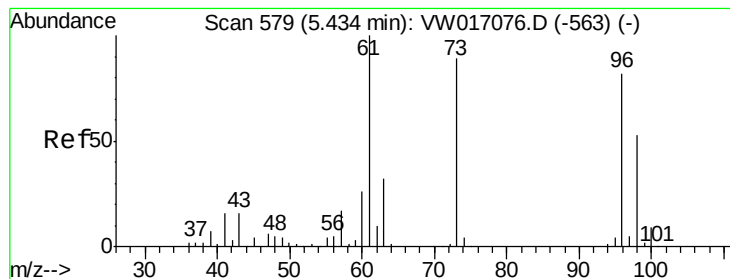
Tot Ion: 43 Resp: 6116
Ion Ratio Lower Upper
43 100
74 26.3 21.5 32.3



#16
Methylene chloride
Concen: 3.070 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017074.D
Acq: 04 Nov 2020 14:07

Tgt Ion: 84 Resp: 22274
Ion Ratio Lower Upper
84 100
49 107.9 72.3 134.3
86 71.2 45.1 83.7





#17

Methyl tert-butyl Ether

Concen: 2.519 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

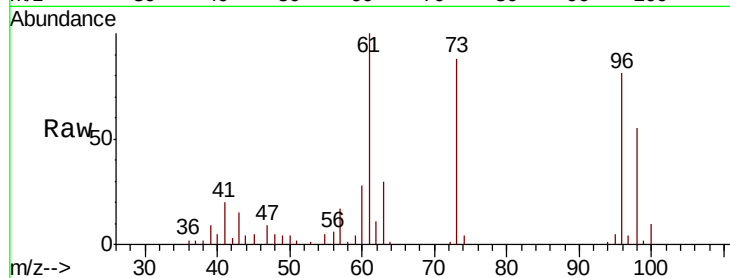
Tot Ion: 73 Resp: 20099

Ion Ratio Lower Upper

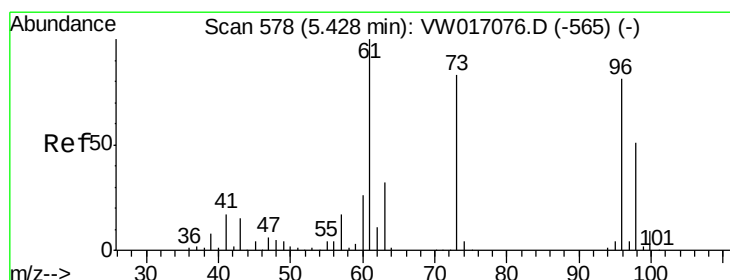
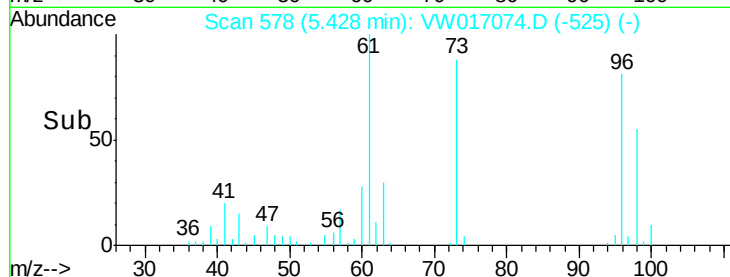
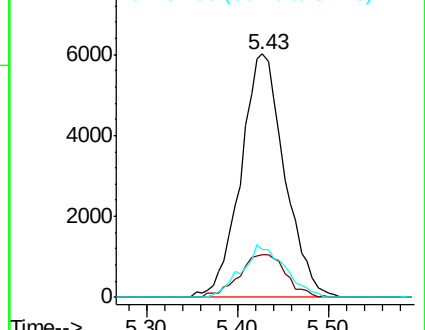
73 100

43 18.1 14.5 21.7

57 21.3 16.3 24.5



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: 2.346 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

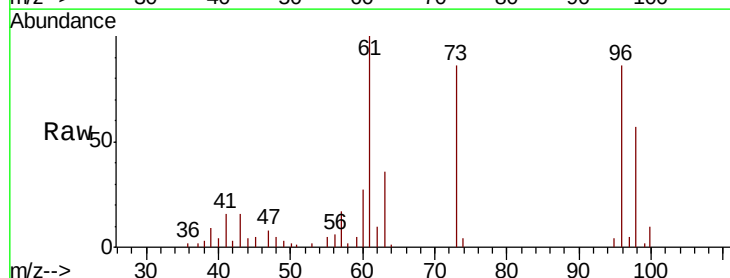
Tgt Ion: 96 Resp: 17311

Ion Ratio Lower Upper

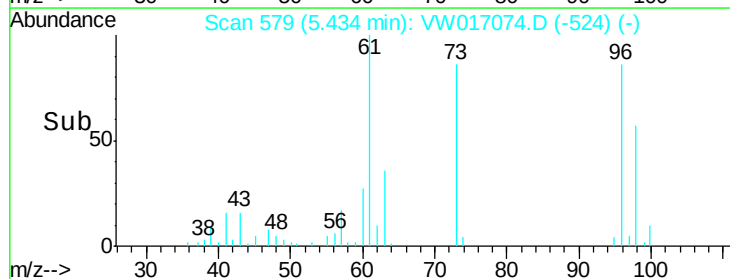
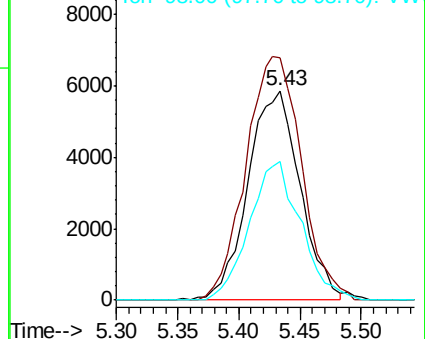
96 100

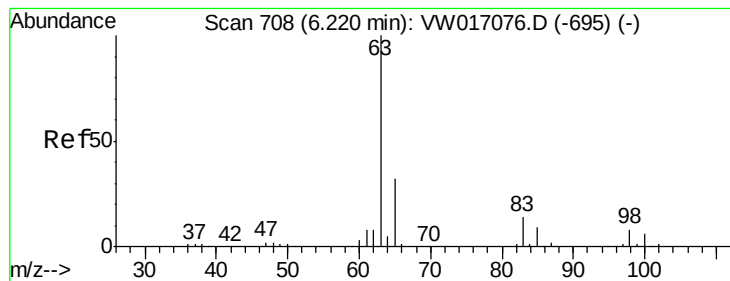
61 115.9 86.8 161.2

98 66.4 44.4 82.4



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: 2.397 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

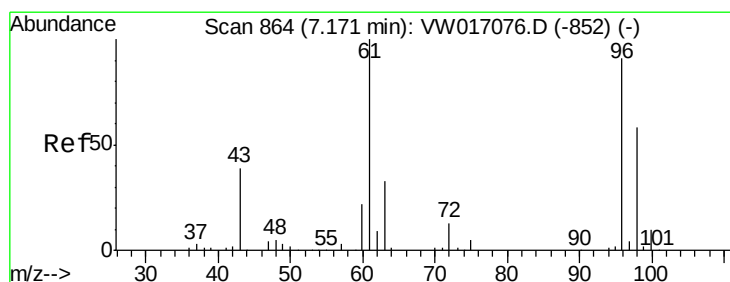
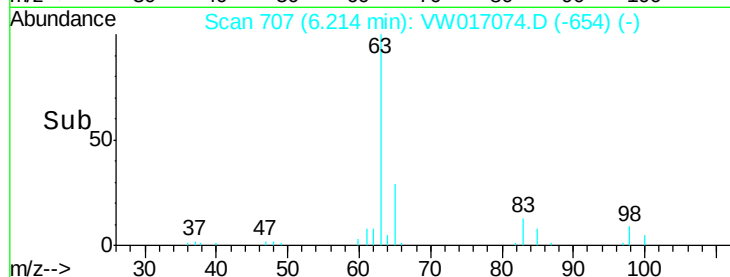
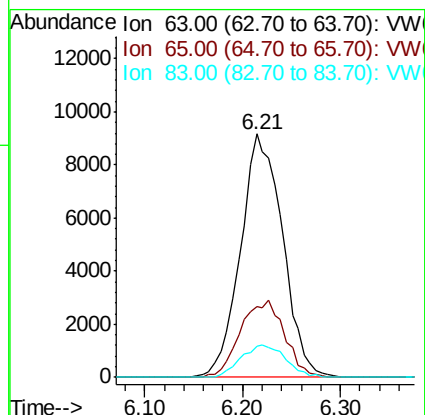
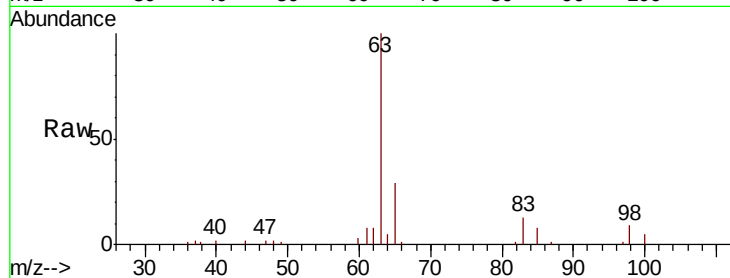
Tot Ion: 63 Resp: 27365

Ion Ratio Lower Upper

63 100

65 29.3 22.1 41.1

83 12.8 10.0 18.6



#21

2-Butanone

Concen: 5.749 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017074.D

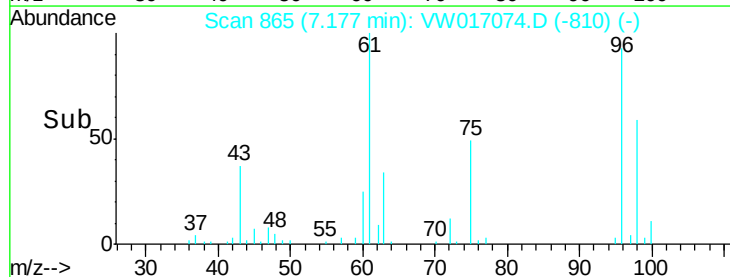
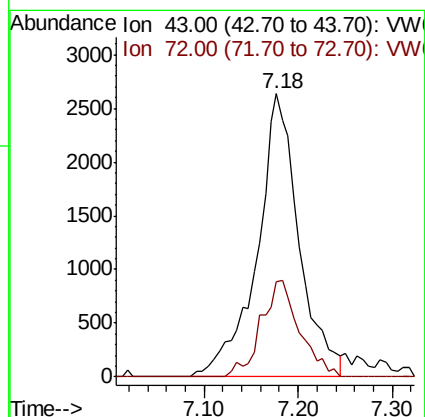
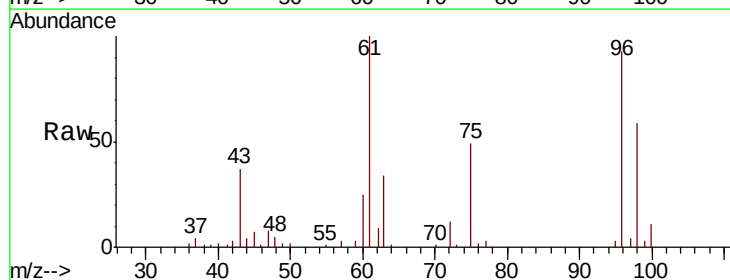
Acq: 04 Nov 2020 14:07

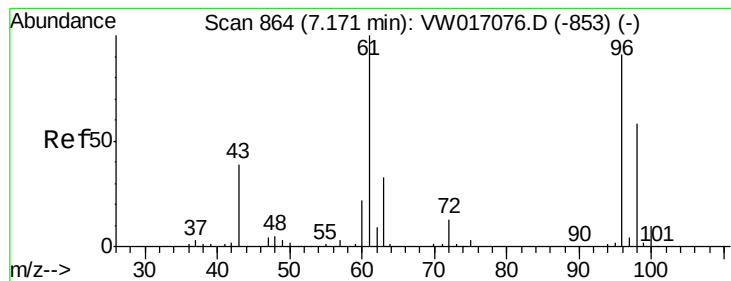
Tgt Ion: 43 Resp: 8208

Ion Ratio Lower Upper

43 100

72 23.2 16.1 48.3



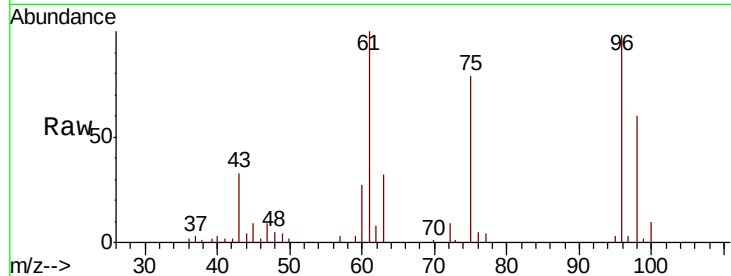


#22

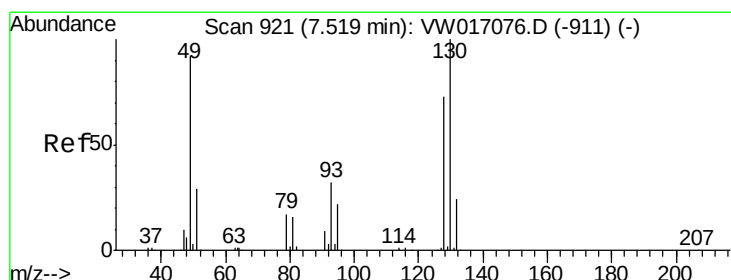
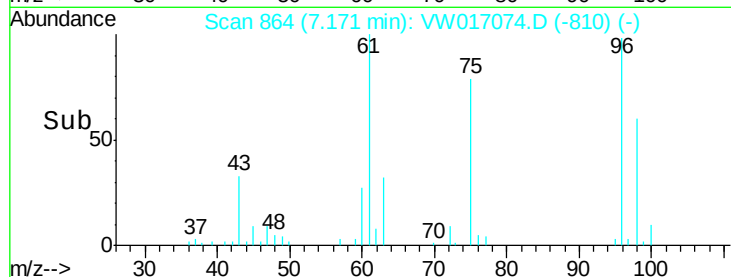
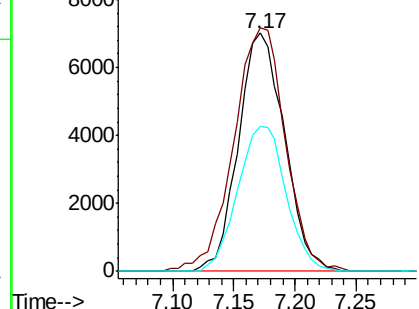
cis-1,2-Dichloroethene
Concen: 2.432 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017074.D
Acq: 04 Nov 2020 14:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Tot Ion: 96 Resp: 18360
Ion Ratio Lower Upper
96 100
61 102.2 77.4 143.8
98 61.1 45.1 83.7



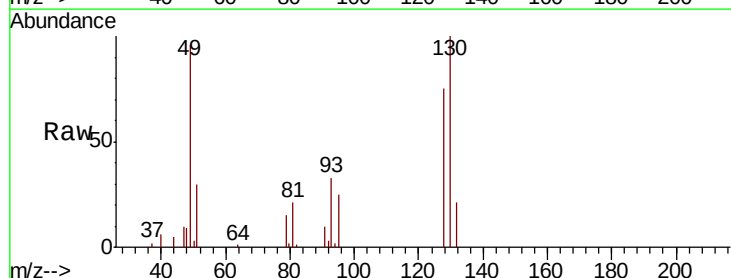
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



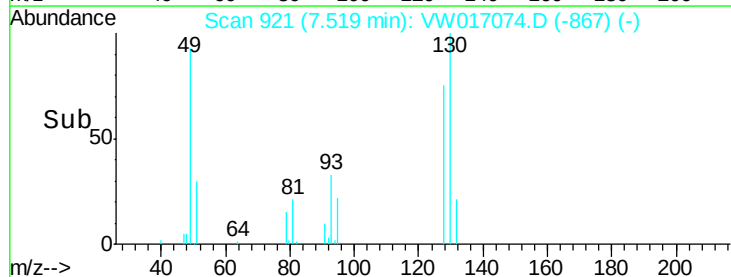
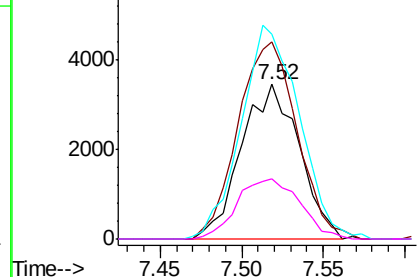
#23

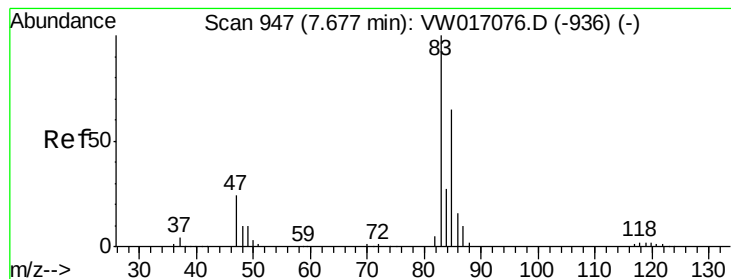
Bromochloromethane
Concen: 2.396 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW017074.D
Acq: 04 Nov 2020 14:07

Tgt Ion: 128 Resp: 8475
Ion Ratio Lower Upper
128 100
49 127.1 88.3 163.9
130 132.6 95.6 177.6
51 39.2 32.2 48.4



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: 2.427 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

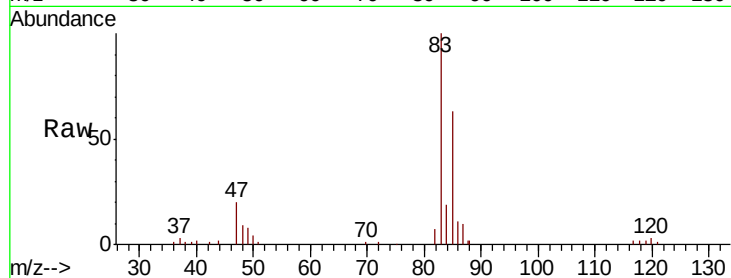
VSTD2.504

Tot Ion: 83 Resp: 29690

Ion Ratio Lower Upper

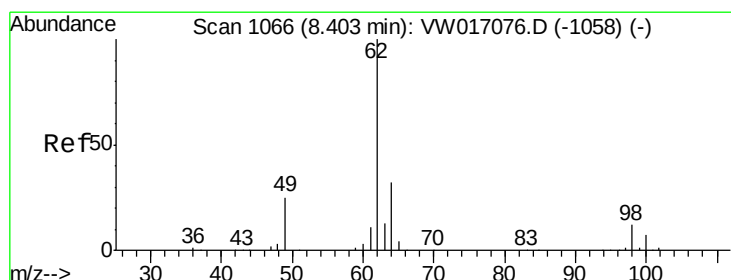
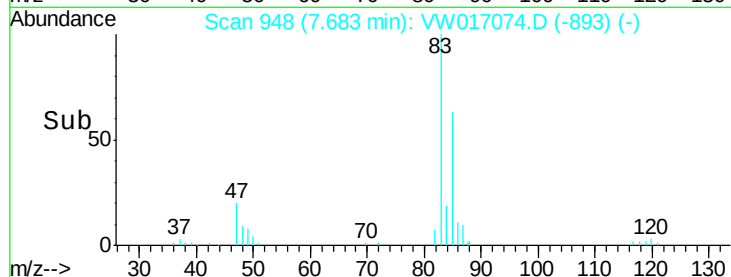
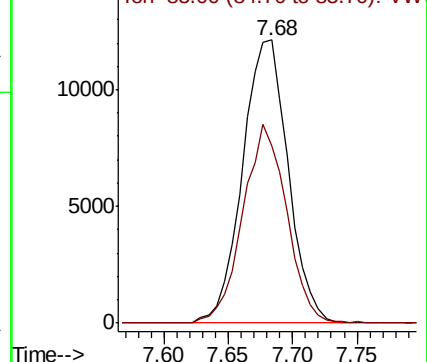
83 100

85 67.4 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 2.501 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017074.D

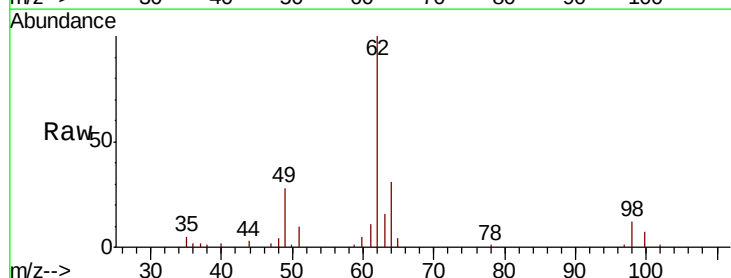
Acq: 04 Nov 2020 14:07

Tgt Ion: 62 Resp: 17716

Ion Ratio Lower Upper

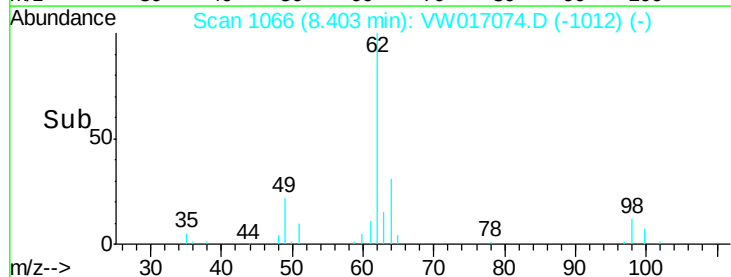
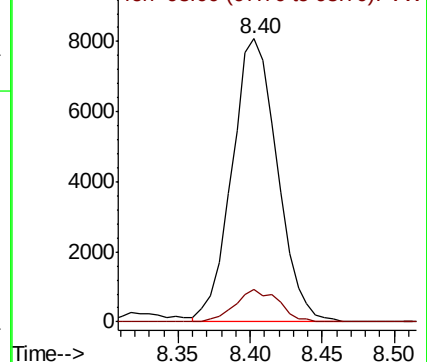
62 100

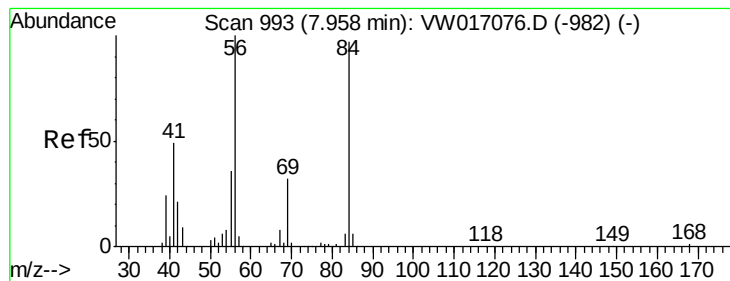
98 11.7 9.4 14.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 2.163 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

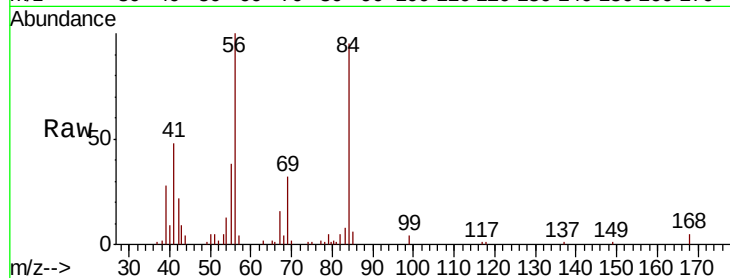
Tot Ion: 56 Resp: 22242

Ion Ratio Lower Upper

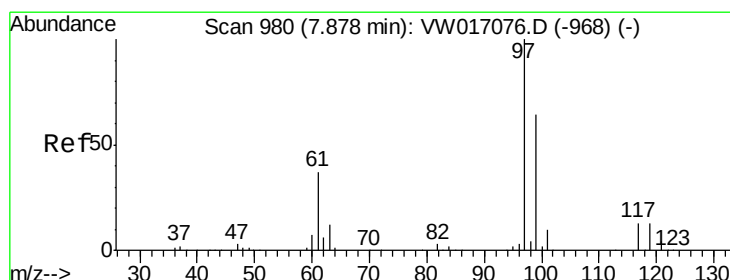
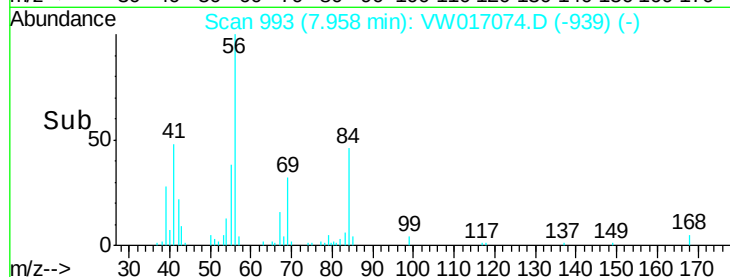
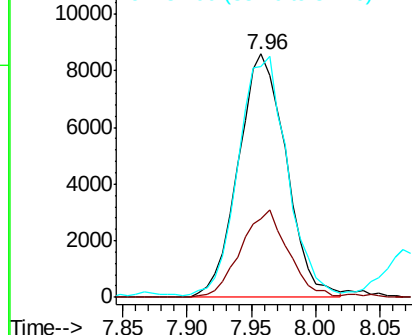
56 100

69 35.3 26.1 39.1

84 101.5 79.1 118.7



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



#31

1,1,1-Trichloroethane

Concen: 2.372 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

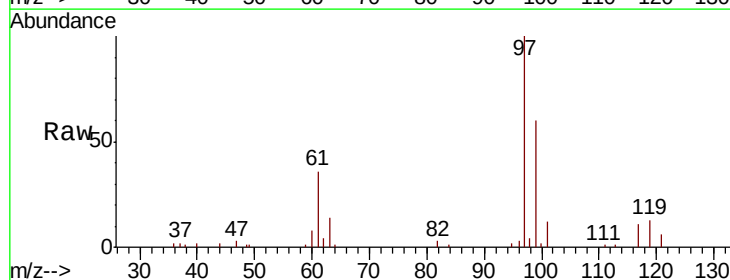
Tgt Ion: 97 Resp: 25591

Ion Ratio Lower Upper

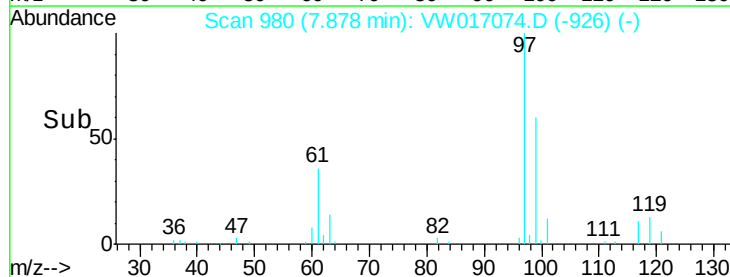
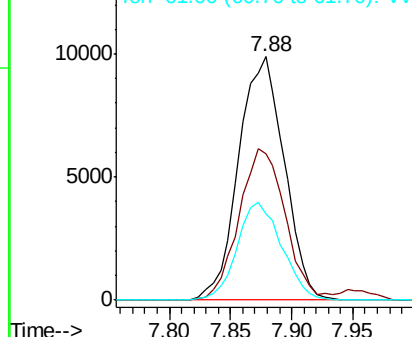
97 100

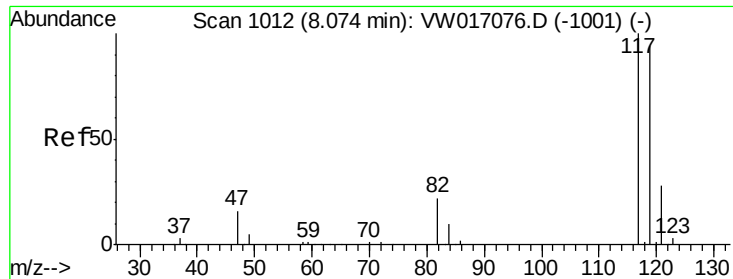
99 62.5 51.4 77.0

61 39.3 31.6 47.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 2.292 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

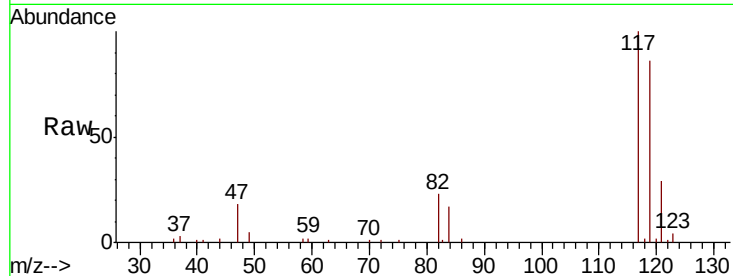
VSTD2.504

Tot Ion:117 Resp: 23798

Ion Ratio Lower Upper

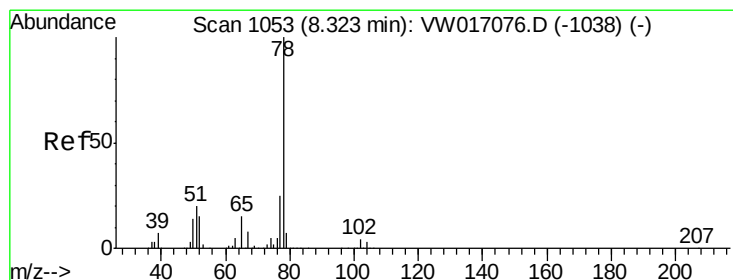
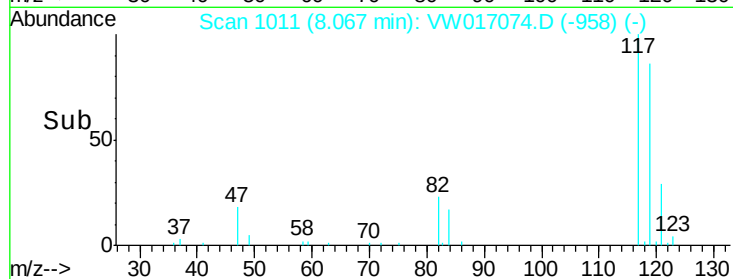
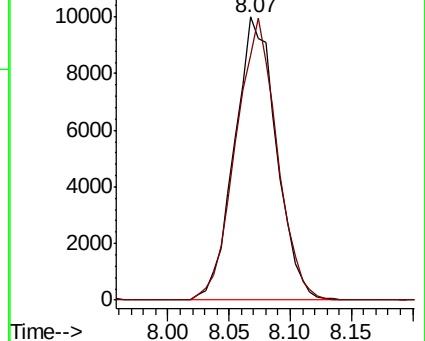
117 100

119 97.9 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.378 ug/L

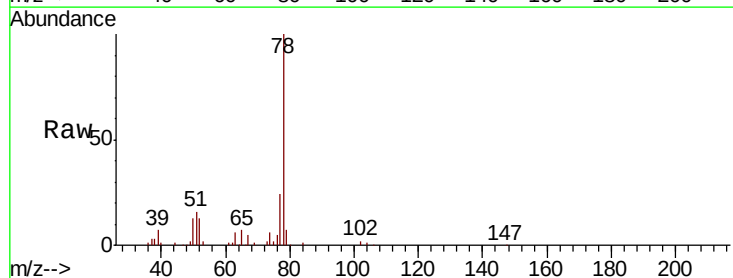
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

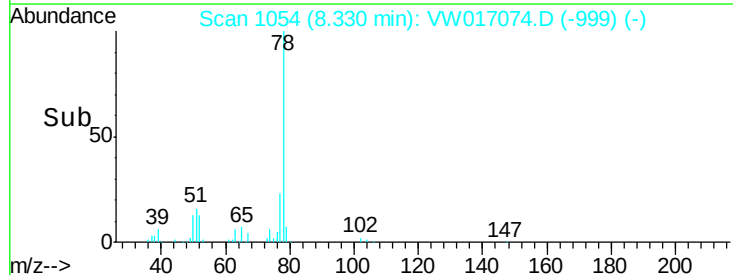
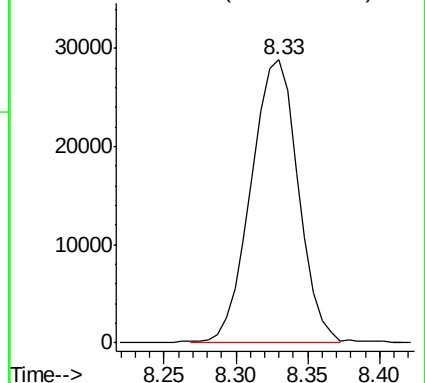
Lab File: VW017074.D

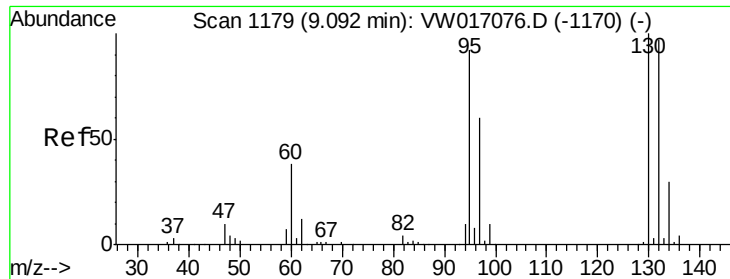
Acq: 04 Nov 2020 14:07

Tgt Ion: 78 Resp: 65686



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.507 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tot Ion: 95 Resp: 19103

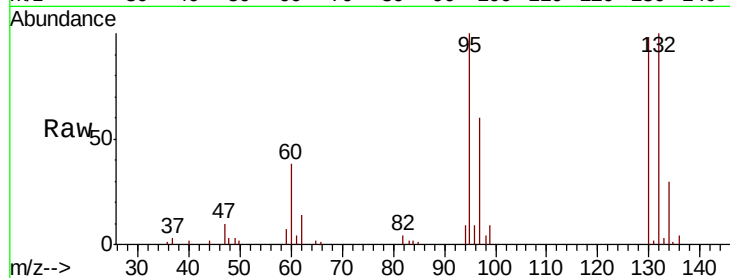
Ion Ratio Lower Upper

95 100

97 62.9 45.0 83.6

132 99.6 73.7 136.9

130 105.2 77.1 143.1

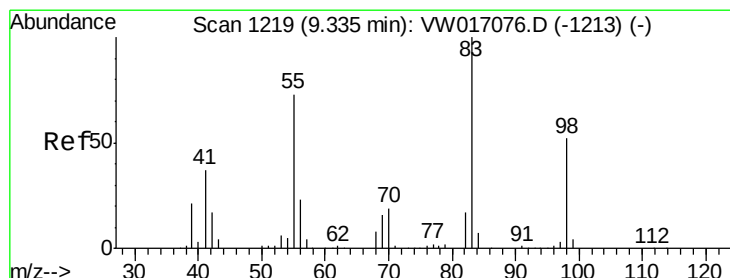
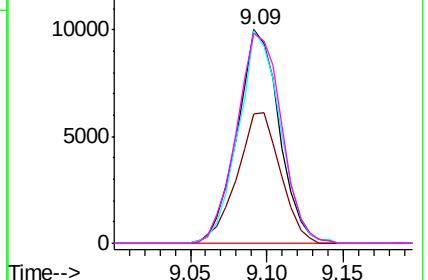
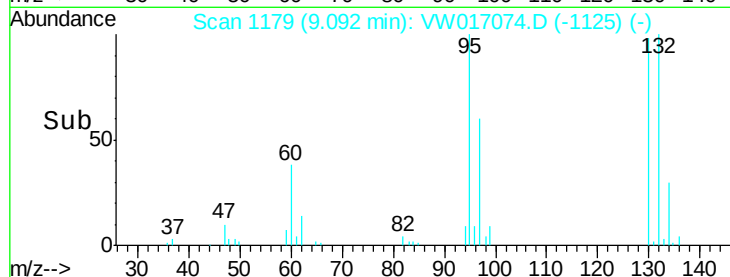


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 2.252 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

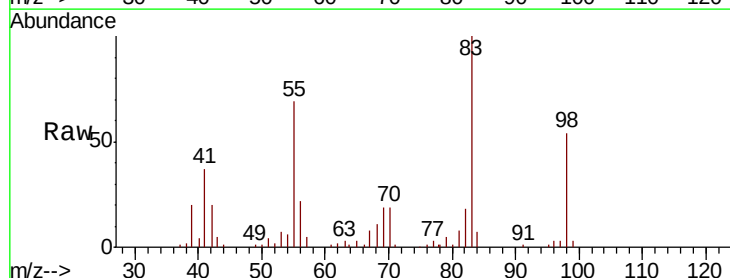
Tgt Ion: 83 Resp: 28533

Ion Ratio Lower Upper

83 100

55 70.8 54.4 81.6

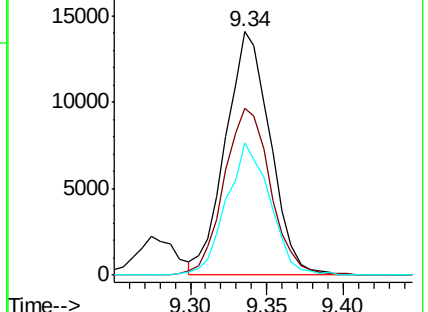
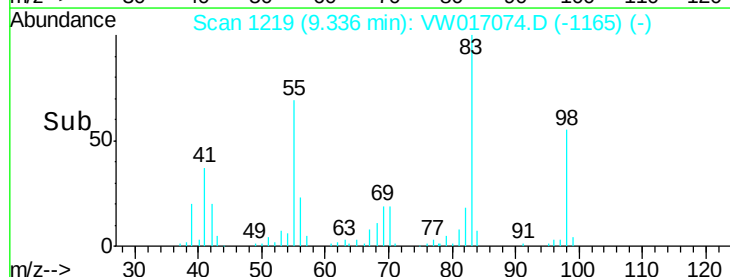
98 53.1 40.5 60.7

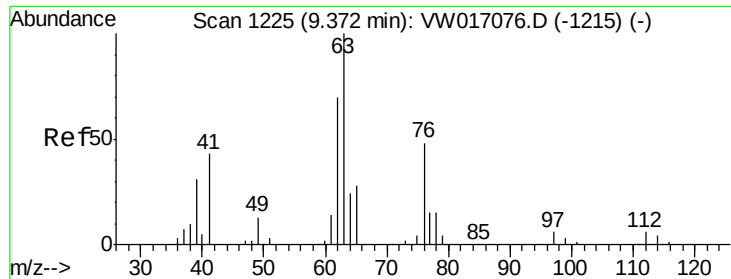


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.439 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

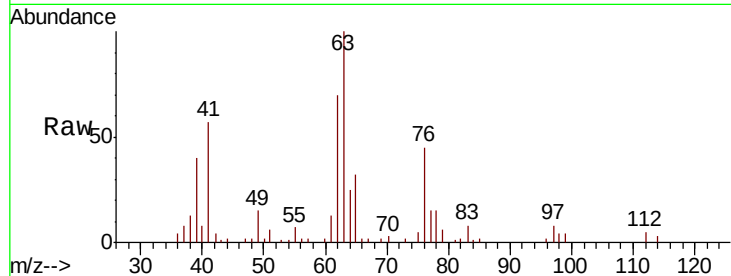
VSTD2.504

Tot Ion: 63 Resp: 15198

Ion Ratio Lower Upper

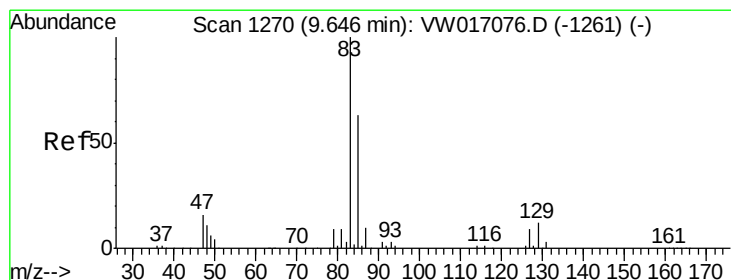
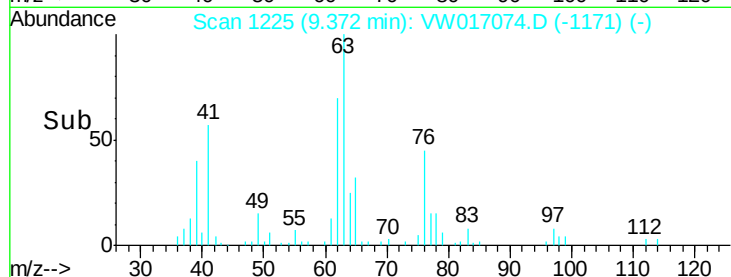
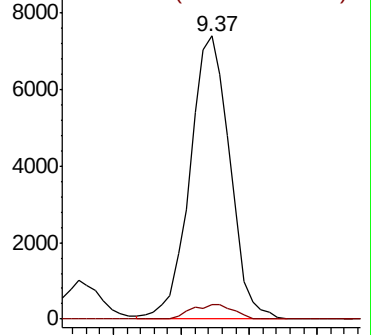
63 100

112 5.4 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 2.320 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

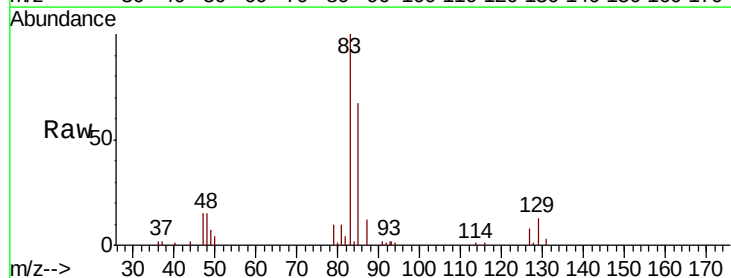
Tgt Ion: 83 Resp: 19733

Ion Ratio Lower Upper

83 100

85 67.4 44.4 82.4

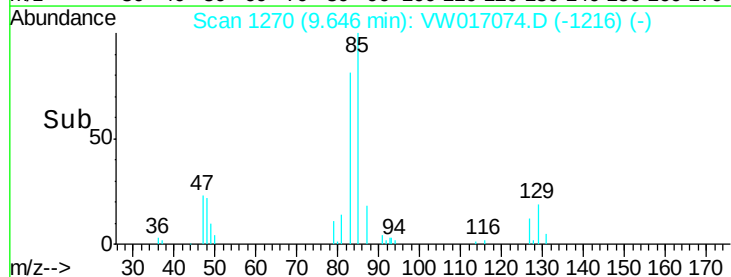
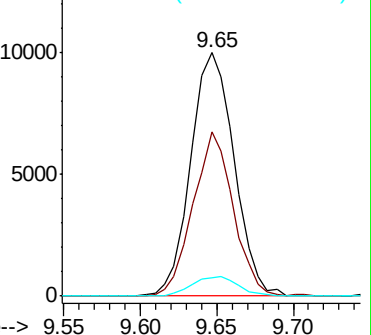
127 7.8 7.3 10.9

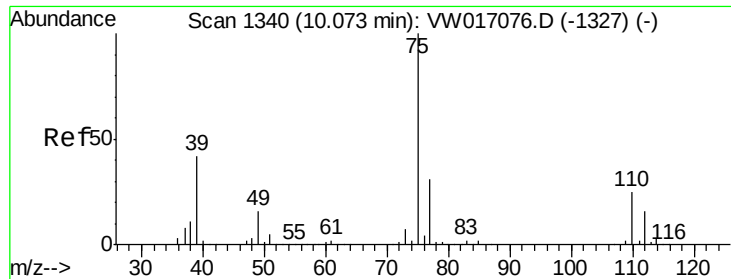


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

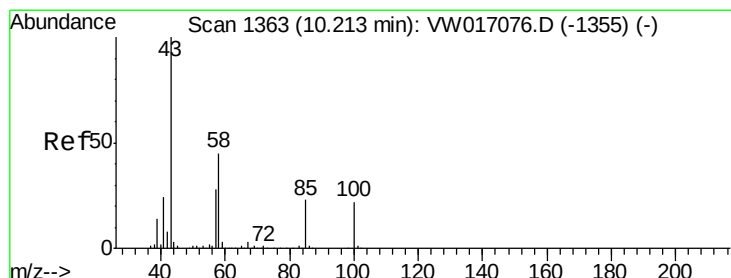
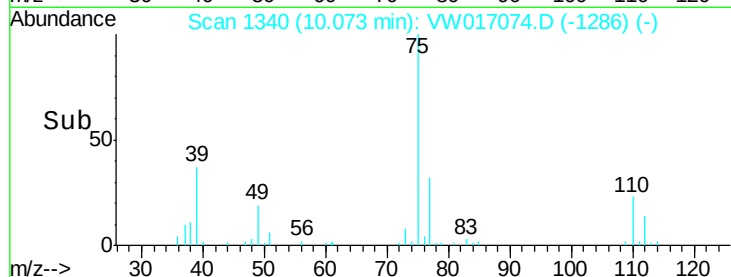
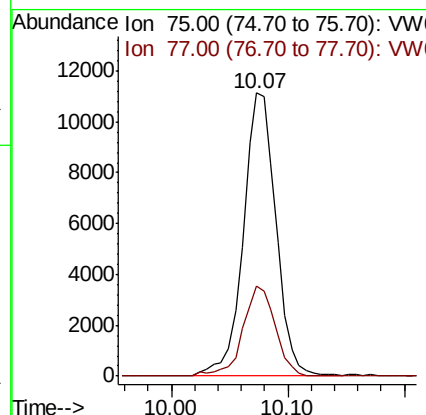
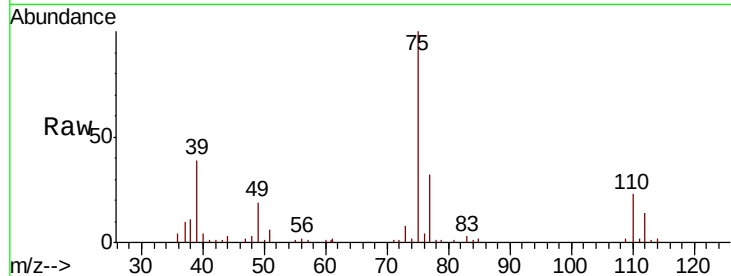




#42
 cis-1,3-Dichloropropene
 Concen: 2.228 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

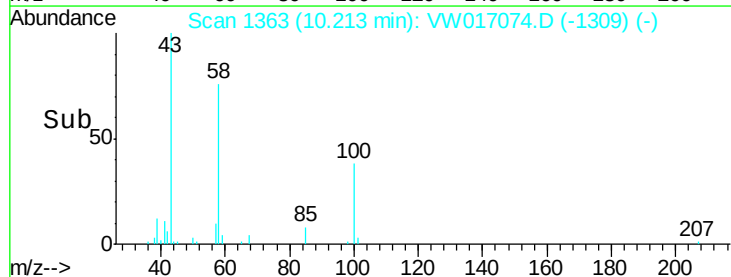
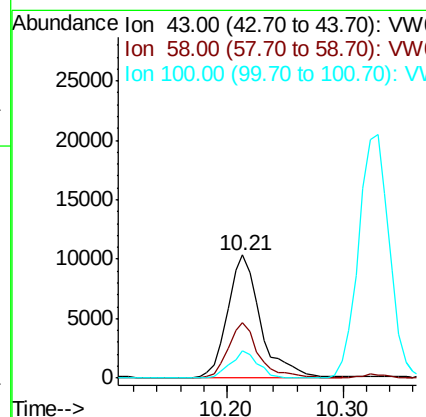
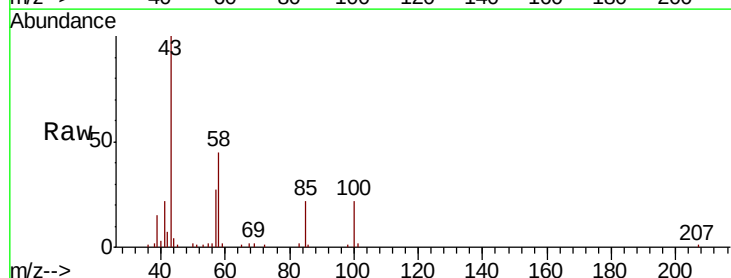
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

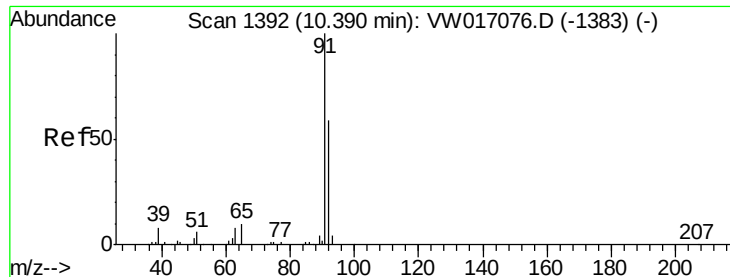
Tot Ion: 75 Resp: 21769
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 6.539 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Tgt Ion: 43 Resp: 20458
 Ion Ratio Lower Upper
 43 100
 58 40.7 35.0 52.6
 100 18.6 16.6 24.8





#44

Toluene

Concen: 2.356 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampled :

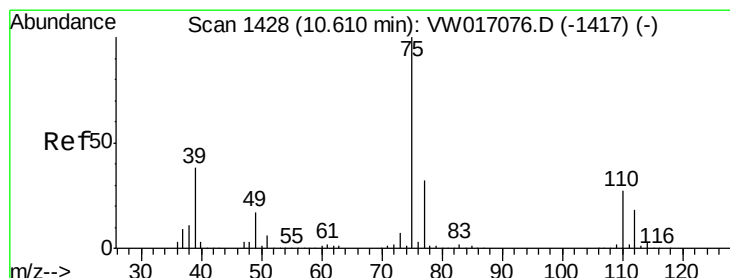
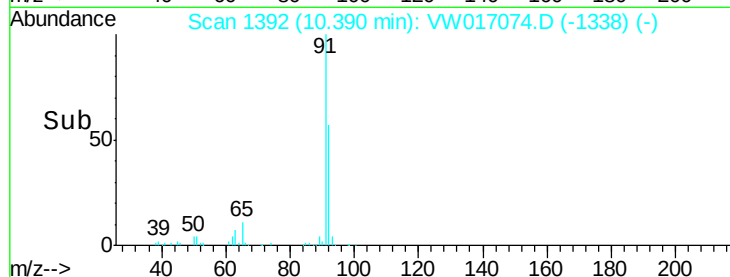
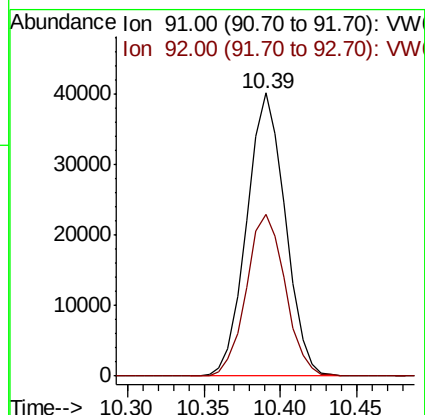
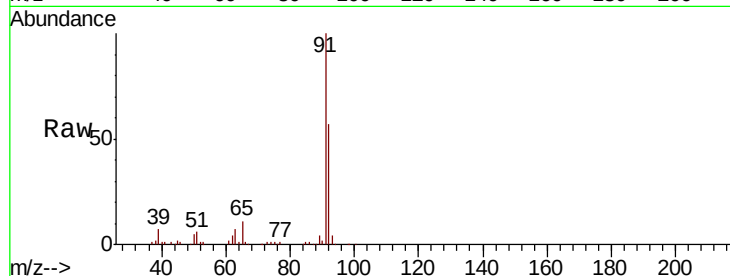
VSTD2.504

Tot Ion: 91 Resp: 70555

Ion Ratio Lower Upper

91 100

92 57.2 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 2.159 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017074.D

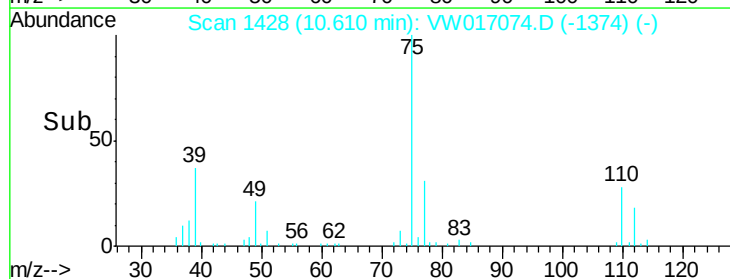
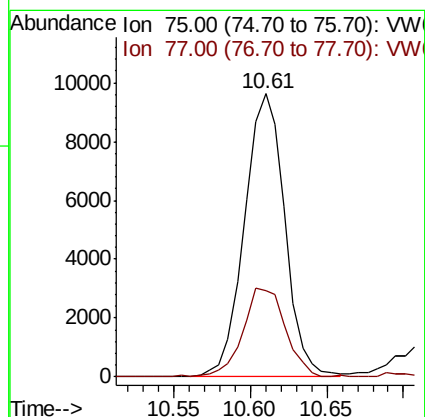
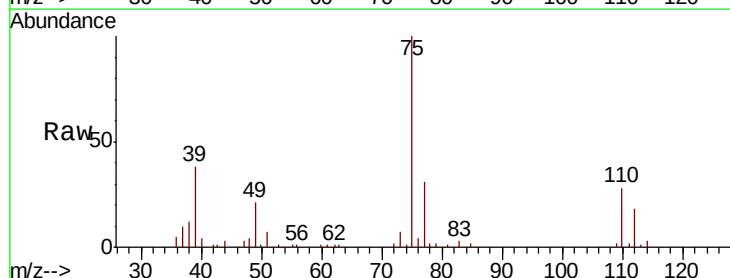
Acq: 04 Nov 2020 14:07

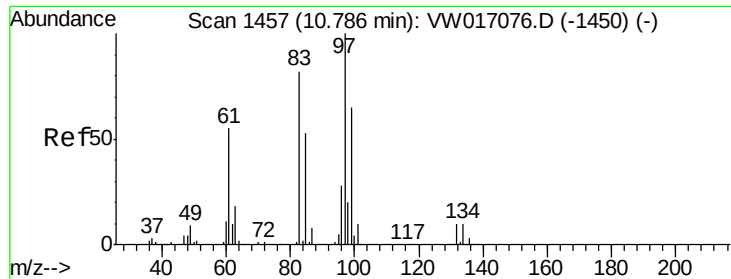
Tgt Ion: 75 Resp: 17679

Ion Ratio Lower Upper

75 100

77 30.5 22.1 41.1

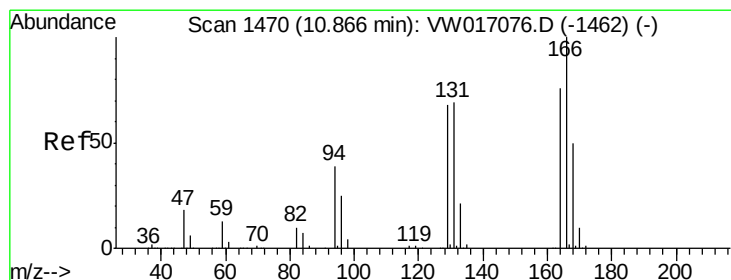
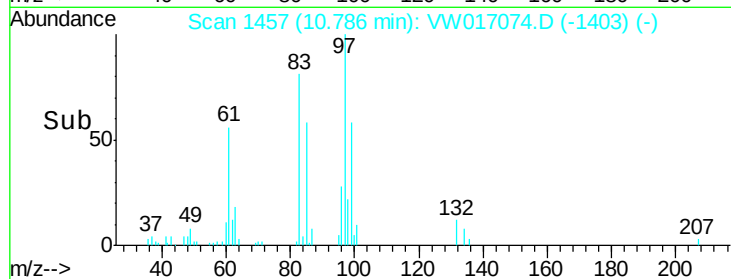
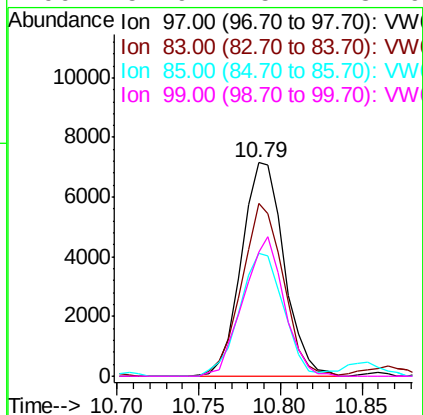
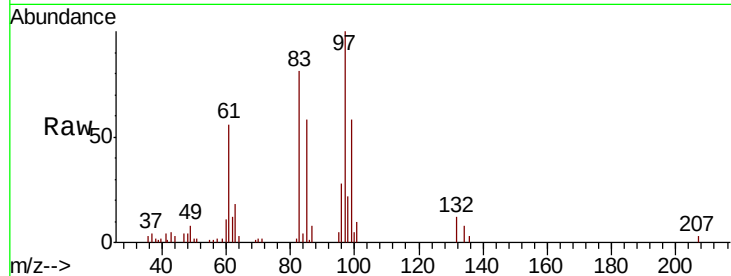




#46
 1,1,2-Trichloroethane
 Concen: 2.557 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

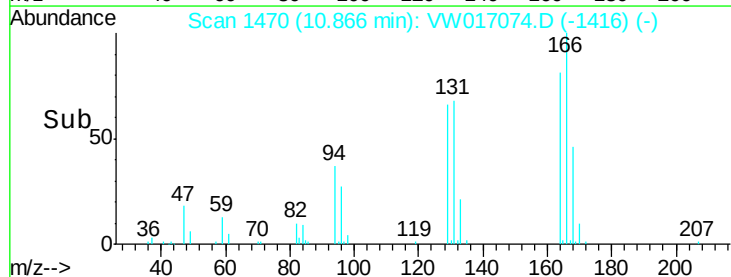
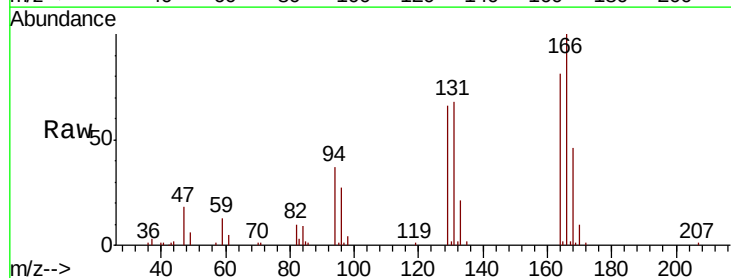
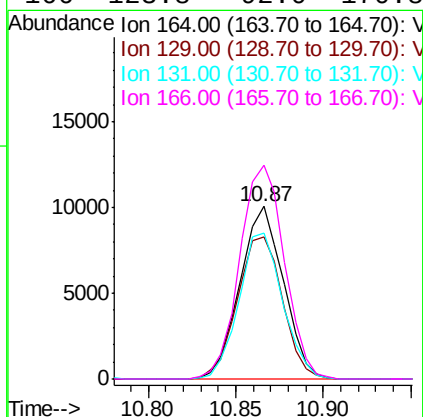
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.504

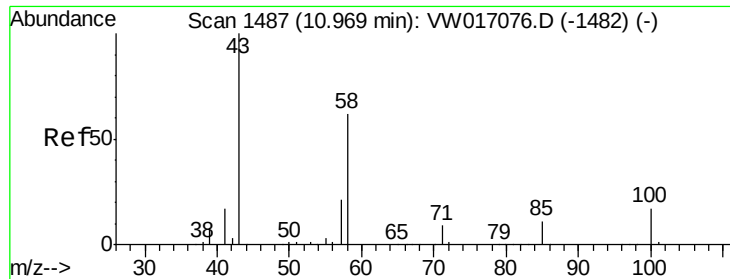
Tot Ion:	97	Resp:	12997
Ion	Ratio	Lower	Upper
97	100		
83	81.0	57.3	106.5
85	57.8	37.2	69.0
99	57.9	45.7	84.9



#47
 Tetrachloroethene
 Concen: 2.501 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Tgt Ion:	164	Resp:	17460
Ion	Ratio	Lower	Upper
164	100		
129	82.2	62.9	116.7
131	84.2	63.3	117.5
166	123.8	92.0	170.8





#49

2-Hexanone

Concen: 4.738 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tot Ion: 43 Resp: 9437

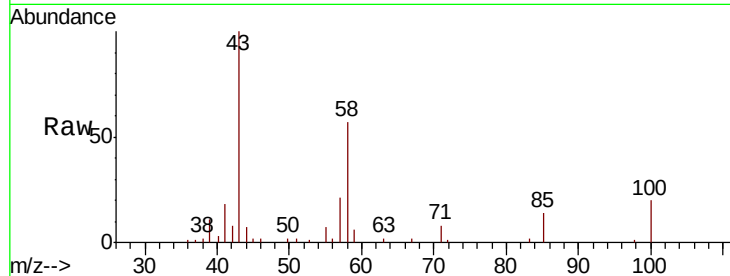
Ion Ratio Lower Upper

43 100

58 60.6 50.6 75.8

57 21.1 17.8 26.6

100 16.1 13.9 20.9



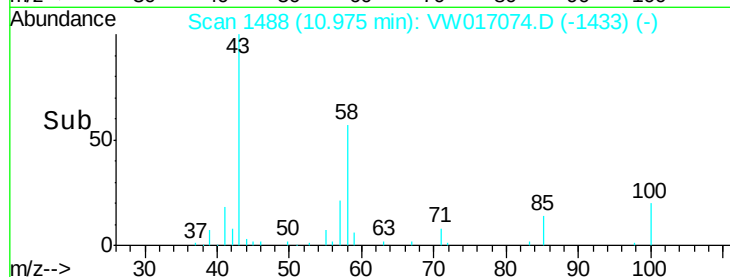
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

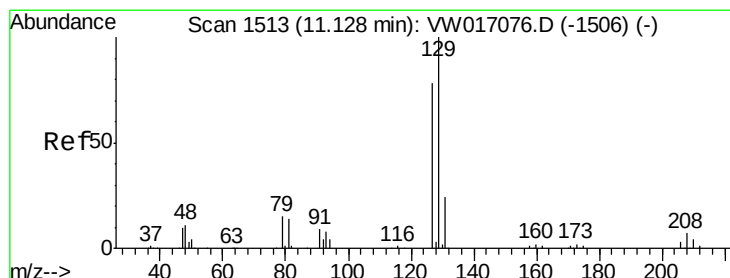
Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



Time-->



#50

Dibromochloromethane

Concen: 2.362 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017074.D

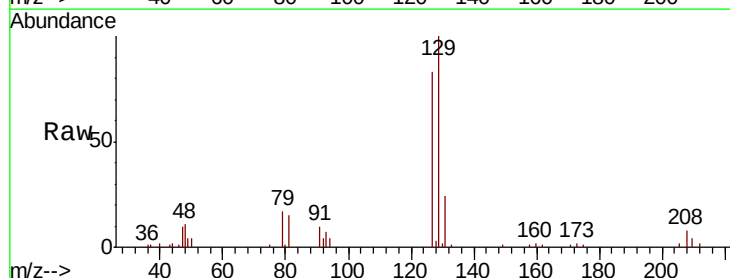
Acq: 04 Nov 2020 14:07

Tgt Ion: 129 Resp: 14596

Ion Ratio Lower Upper

129 100

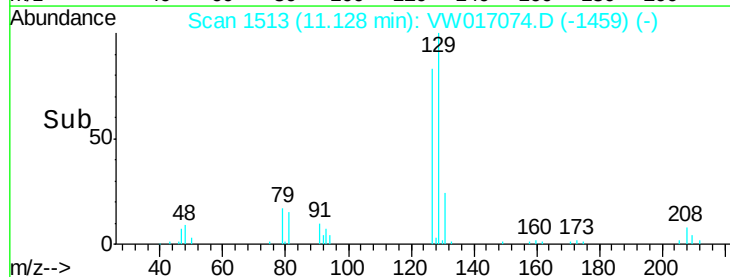
127 82.8 54.3 100.9



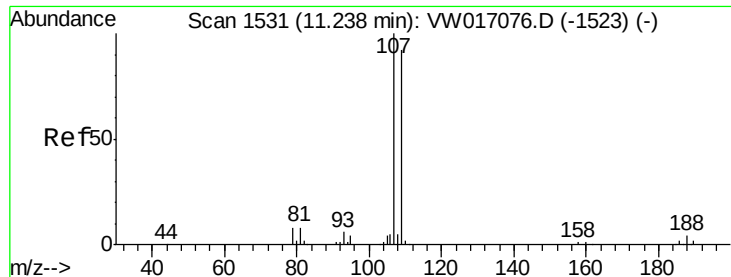
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->



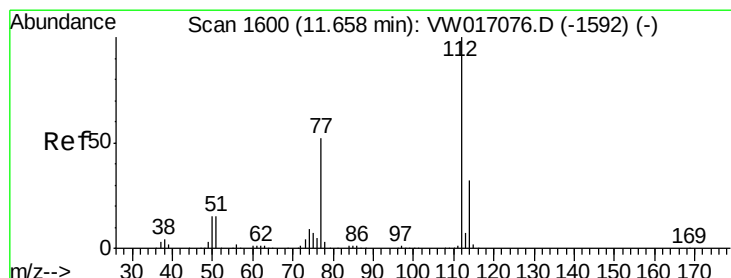
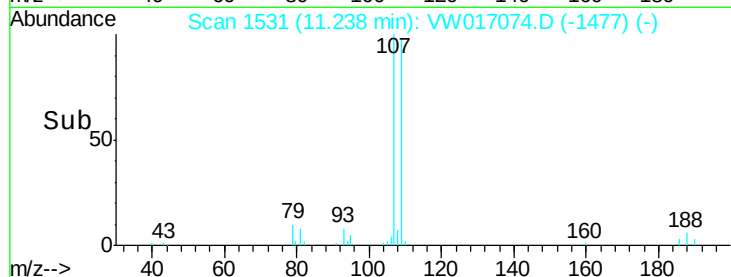
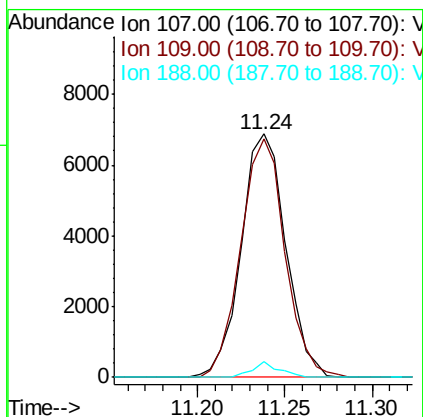
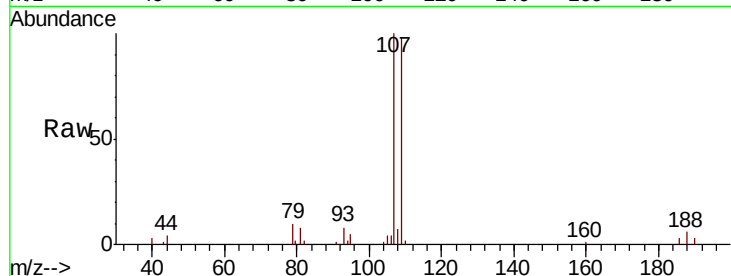
Time-->



#51
 1,2-Dibromoethane
 Concen: 2.493 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

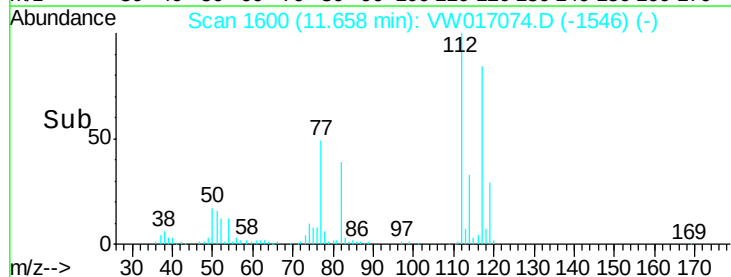
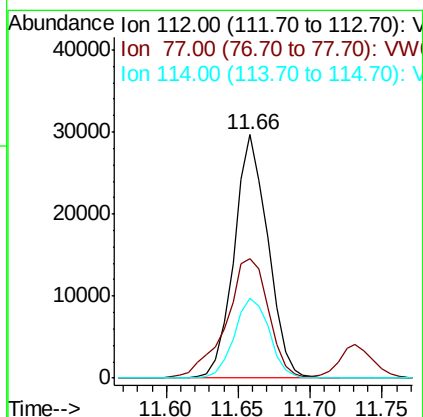
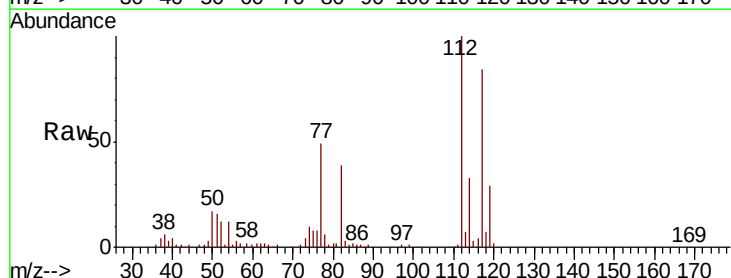
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

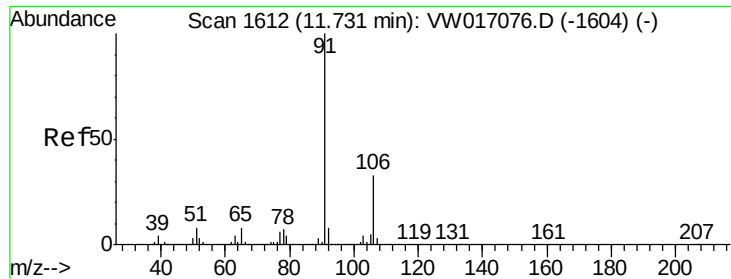
Tot Ion:107 Resp: 12196
 Ion Ratio Lower Upper
 107 100
 109 97.8 64.3 119.5
 188 6.5 3.3 4.9#



#52
 Chlorobenzene
 Concen: 2.406 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Tgt Ion:112 Resp: 48365
 Ion Ratio Lower Upper
 112 100
 77 49.2 41.7 62.5
 114 33.0 22.3 41.3

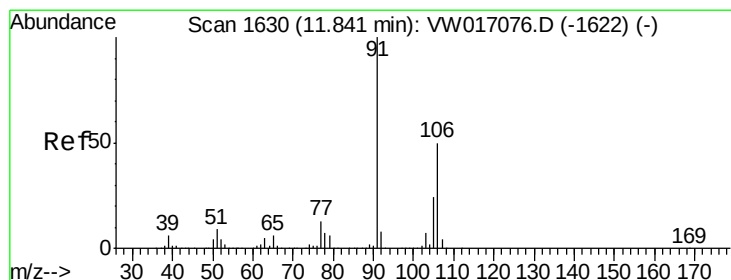
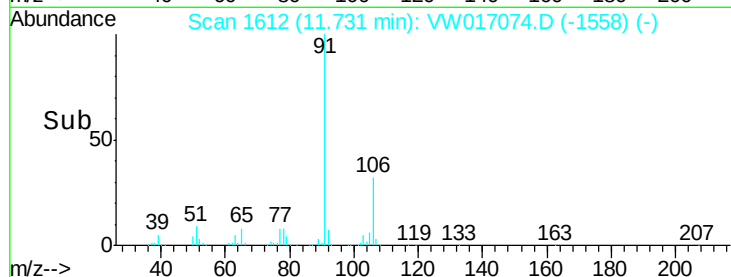
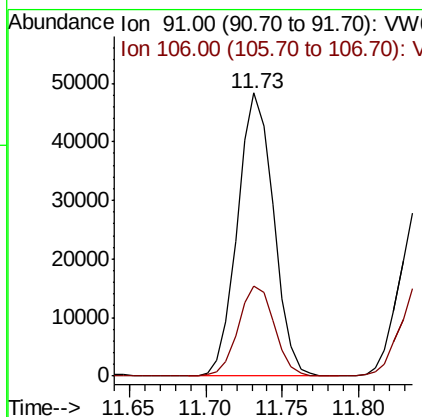
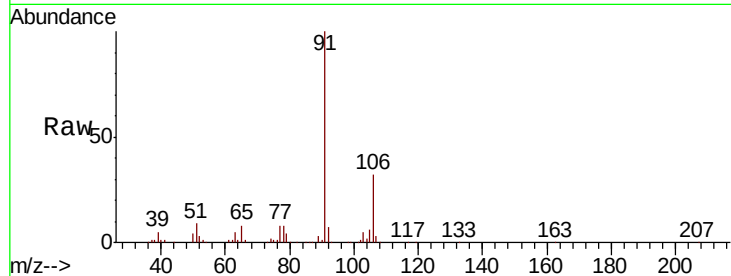




#53
Ethylbenzene
Concen: 2.366 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017074.D
Acq: 04 Nov 2020 14:07

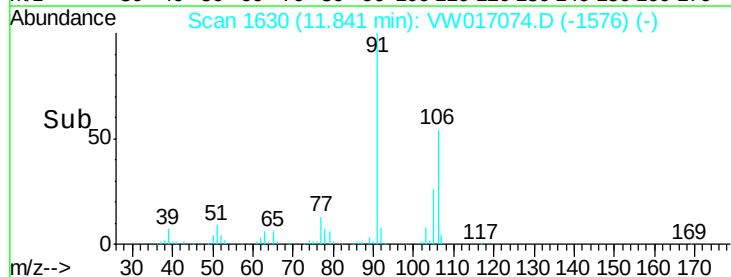
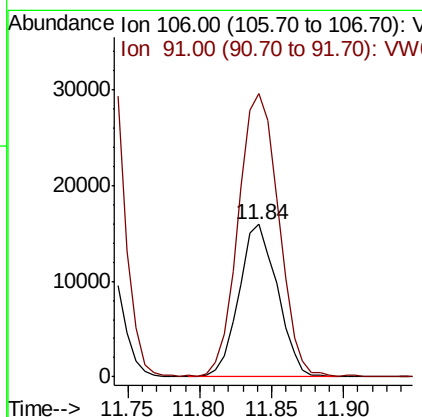
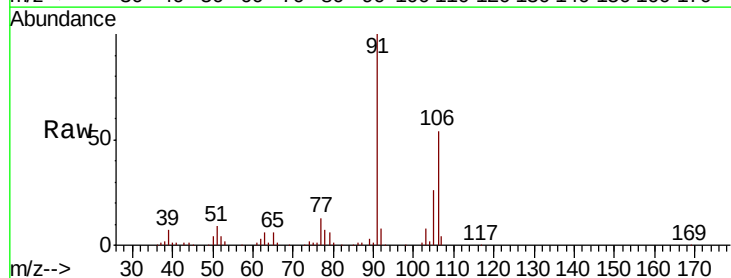
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

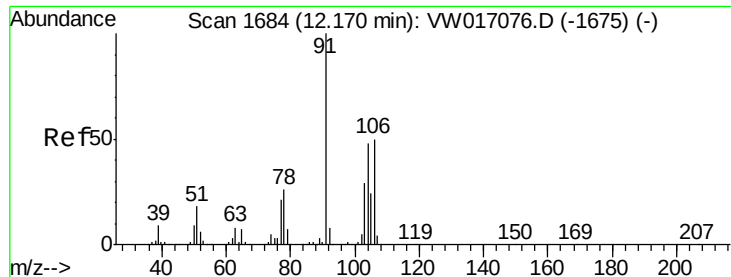
Tot Ion: 91 Resp: 79320
Ion Ratio Lower Upper
91 100
106 31.6 22.9 42.5



#54
m,p-Xylene
Concen: 2.241 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017074.D
Acq: 04 Nov 2020 14:07

Tgt Ion: 106 Resp: 29538
Ion Ratio Lower Upper
106 100
91 185.7 138.7 257.5





#55

o-xylene

Concen: 2.264 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

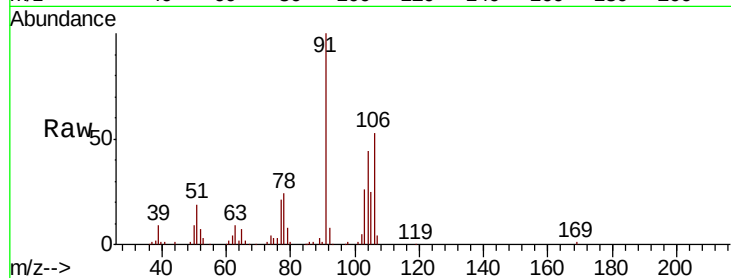
VSTD2.504

Tot Ion:106 Resp: 27991

Ion Ratio Lower Upper

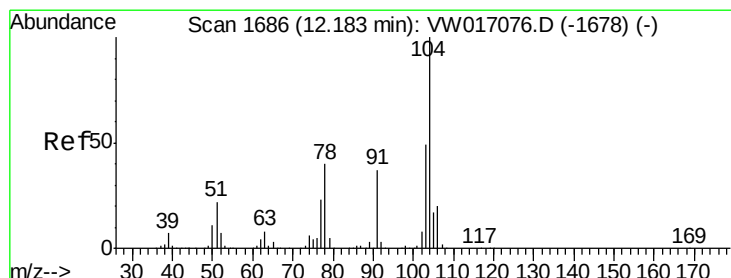
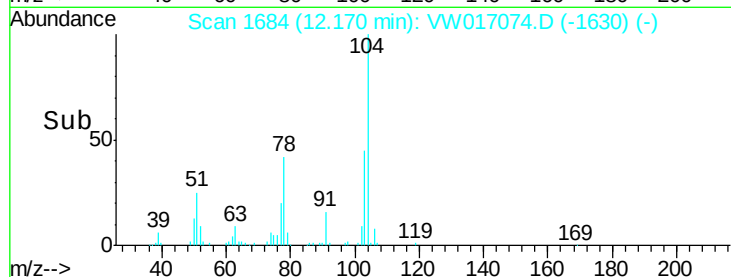
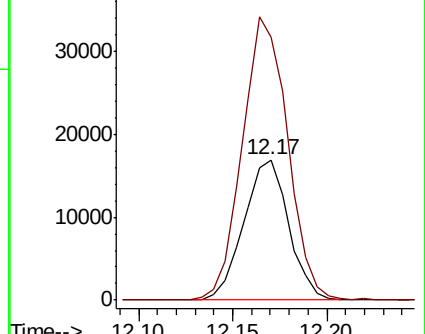
106 100

91 187.2 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.154 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017074.D

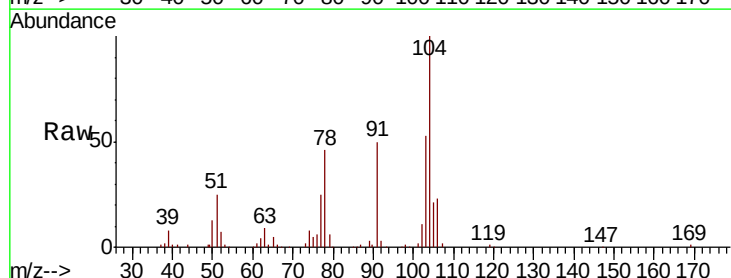
Acq: 04 Nov 2020 14:07

Tgt Ion:104 Resp: 44473

Ion Ratio Lower Upper

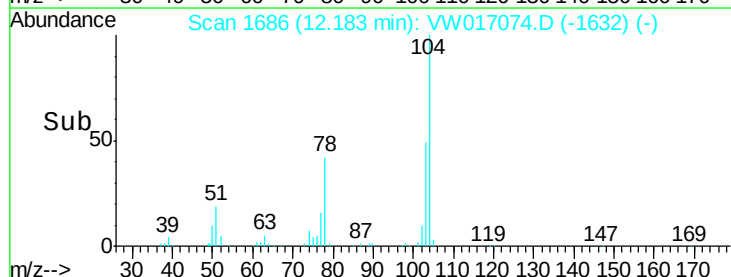
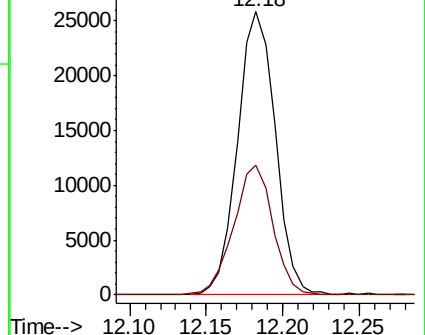
104 100

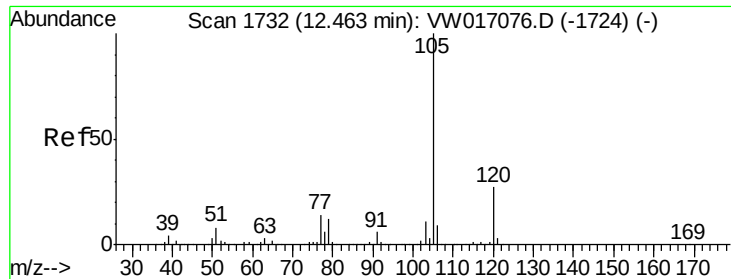
78 45.6 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.196 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

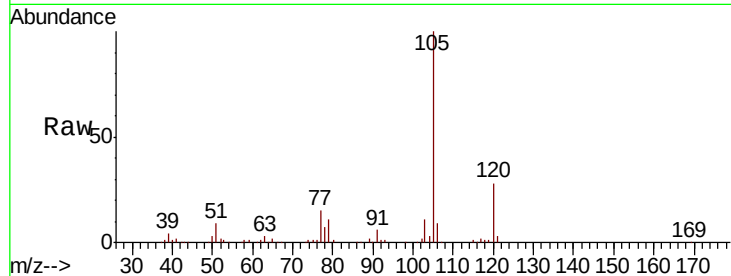
Tot Ion:105 Resp: 74367

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

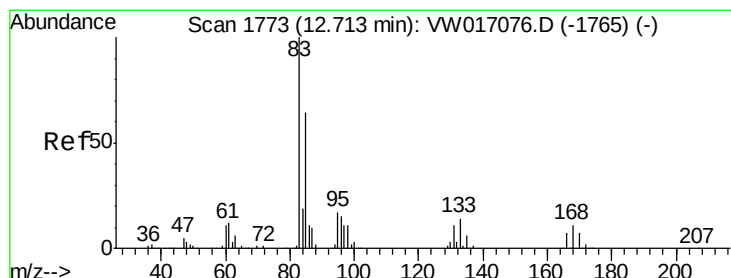
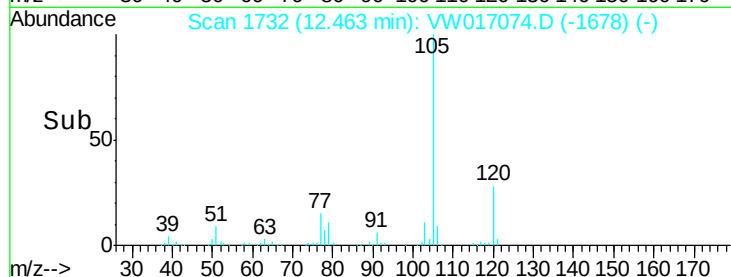
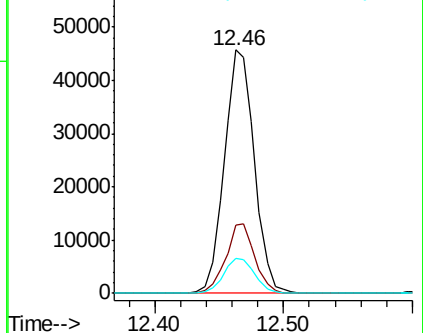
77 14.8 11.4 17.0



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: 2.580 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

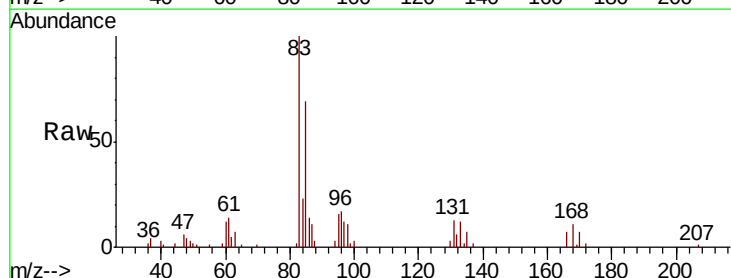
Tgt Ion: 83 Resp: 14425

Ion Ratio Lower Upper

83 100

85 68.6 44.9 83.5

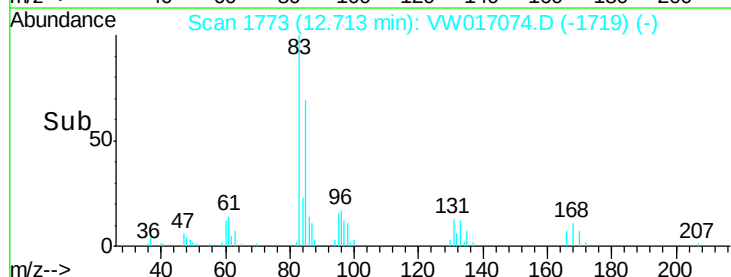
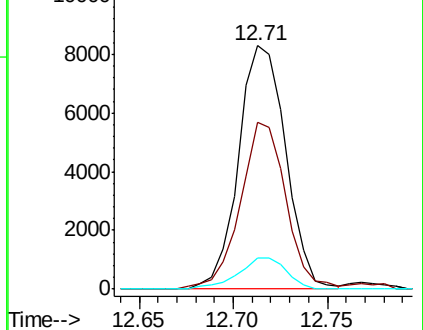
131 13.0 8.8 13.2

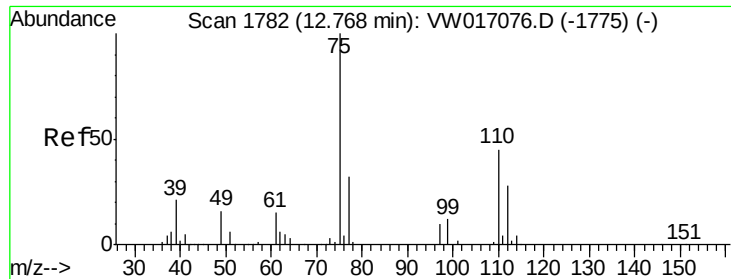


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.615 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

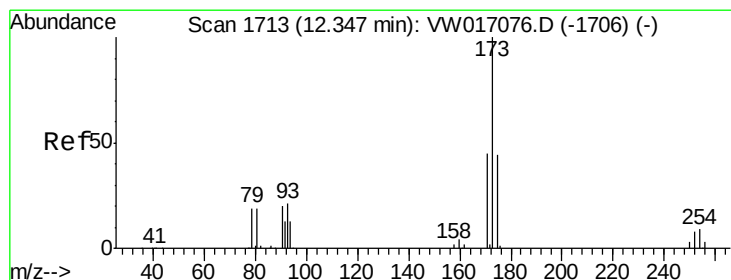
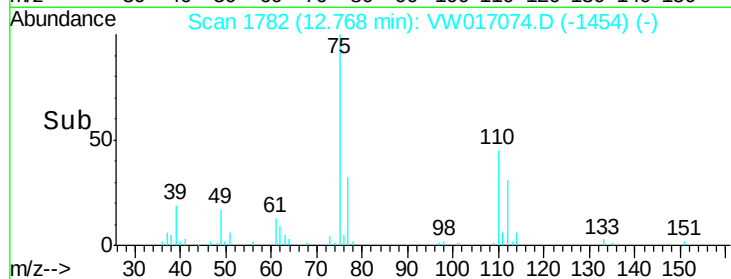
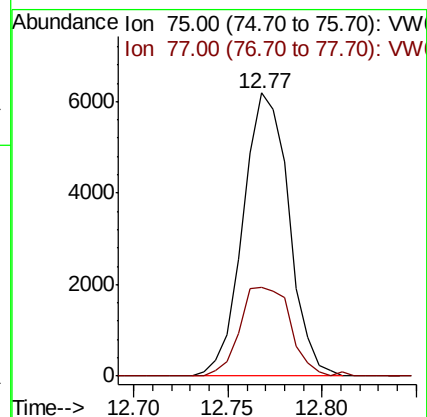
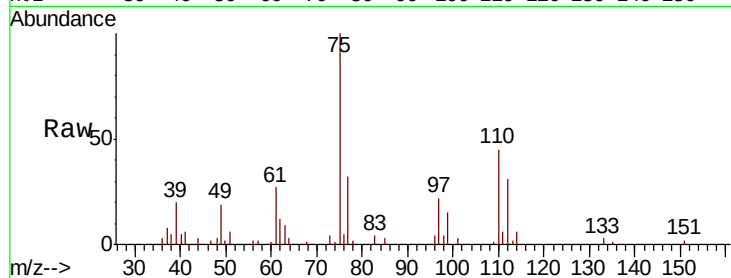
VSTD2.504

Tot Ion: 75 Resp: 10470

Ion Ratio Lower Upper

75 100

77 34.3 26.4 39.6



#62

Bromoform

Concen: 2.333 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

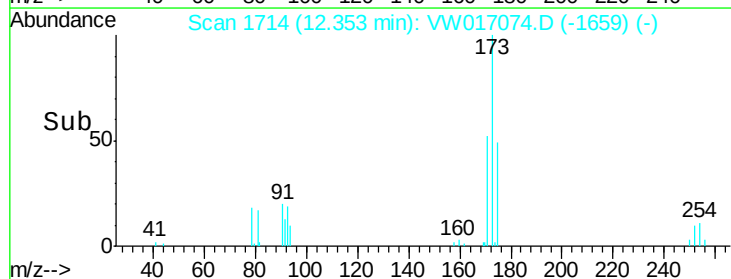
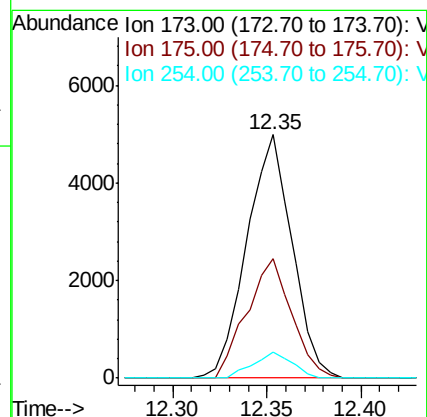
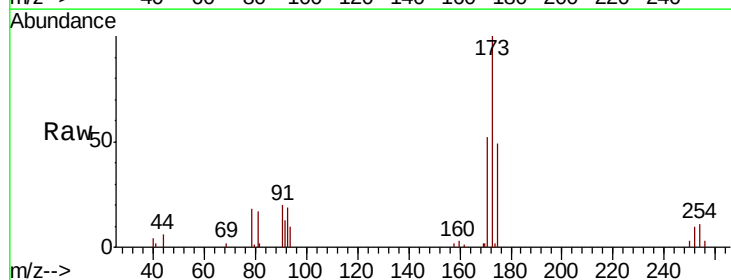
Tgt Ion: 173 Resp: 8302

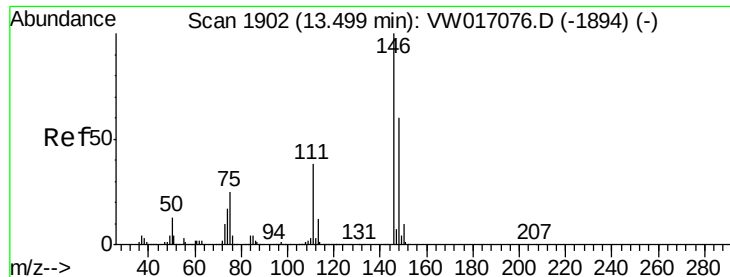
Ion Ratio Lower Upper

173 100

175 48.7 38.3 57.5

254 9.2 8.1 12.1

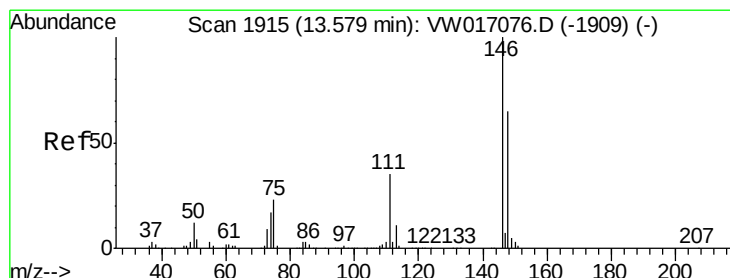
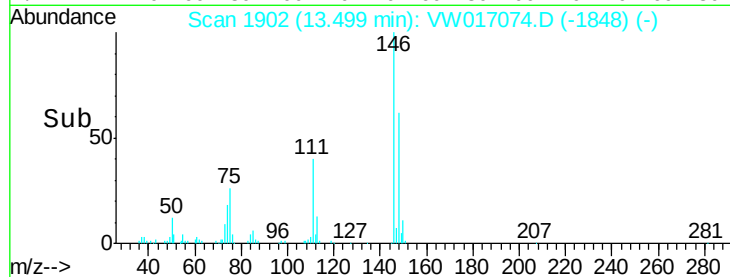
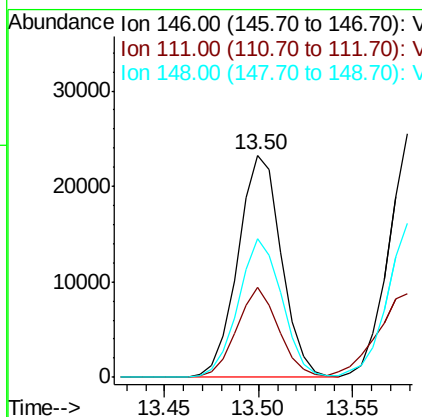
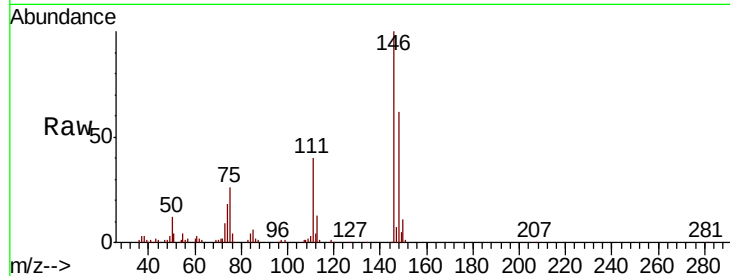




#63
 1,3-Dichlorobenzene
 Concen: 2.360 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

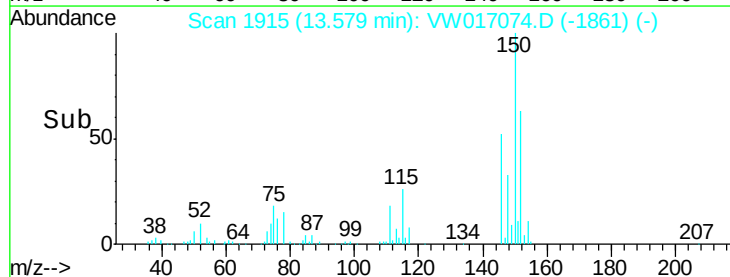
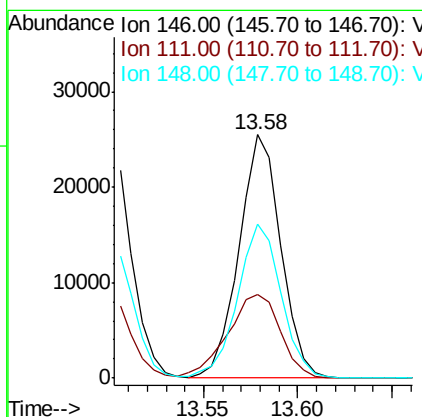
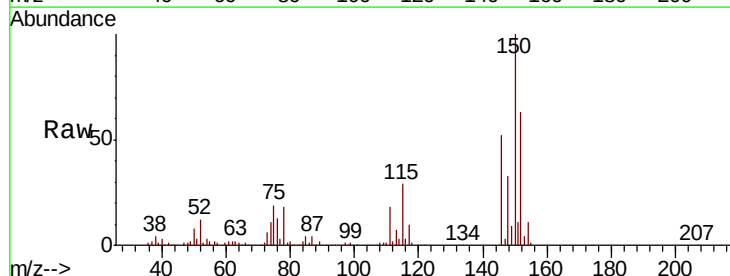
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

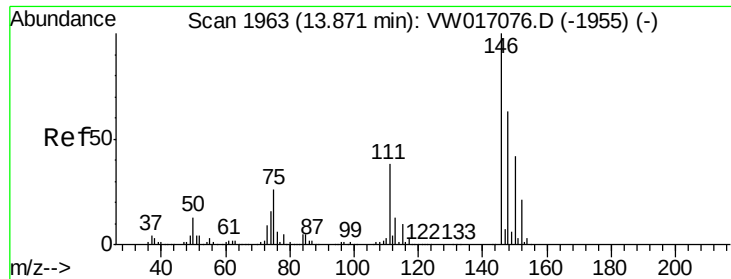
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	26.4	49.0
148	62.2	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 2.487 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	24.5	45.5
148	63.1	45.5	84.5

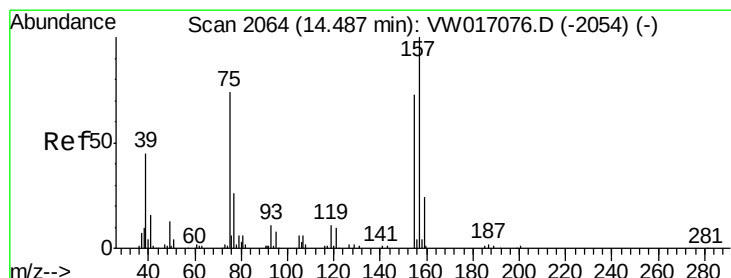
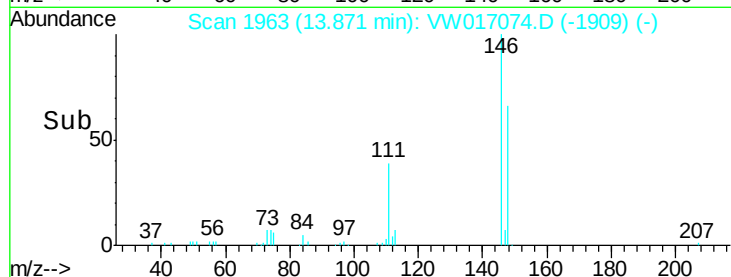
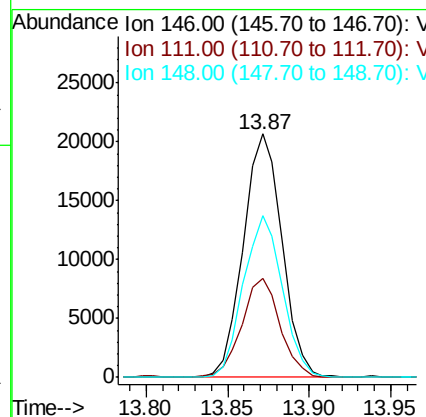
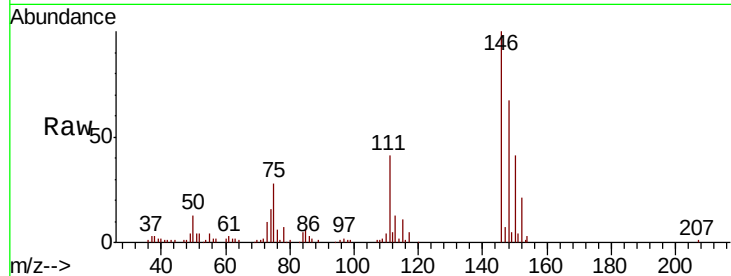




#65
 1,2-Dichlorobenzene
 Concen: 2.428 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

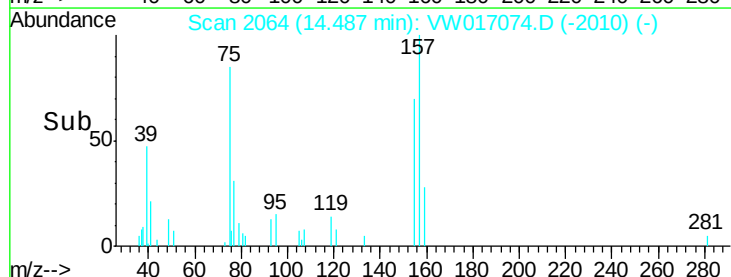
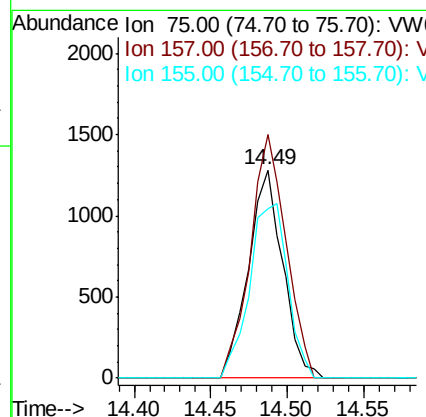
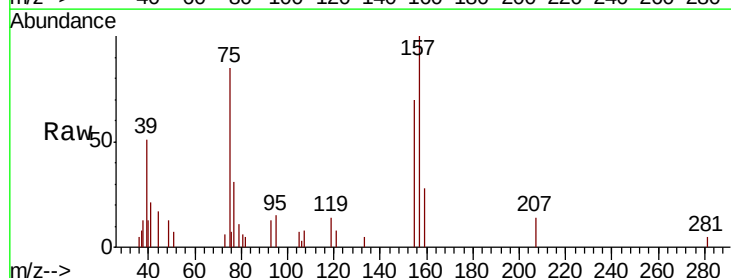
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.504

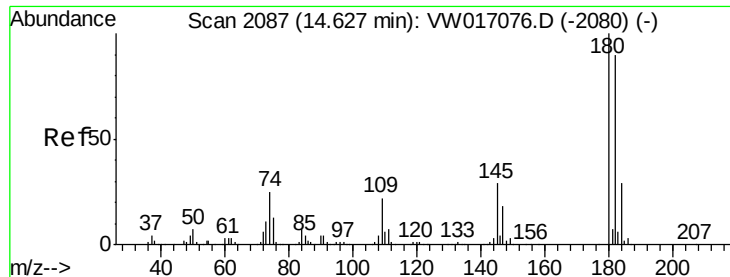
Tot Ion:146 Resp: 34223
 Ion Ratio Lower Upper
 146 100
 111 40.9 30.5 45.7
 148 66.5 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.484 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Tgt Ion: 75 Resp: 2003
 Ion Ratio Lower Upper
 75 100
 157 117.1 108.2 162.4
 155 81.4 79.1 118.7

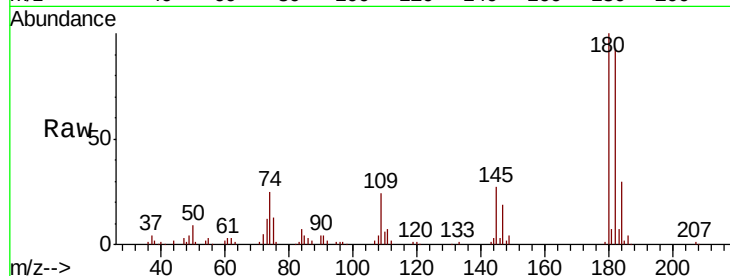




#67
 1,3,5-Trichlorobenzene
 Concen: 2.287 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.2	115.8
184	31.1	24.2	36.4
145	28.6	23.5	35.3



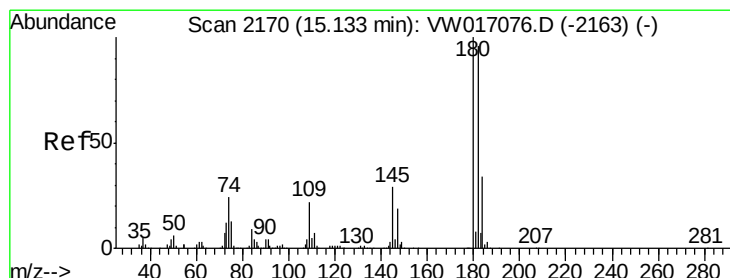
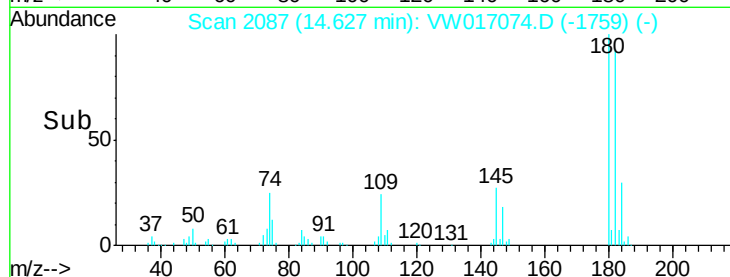
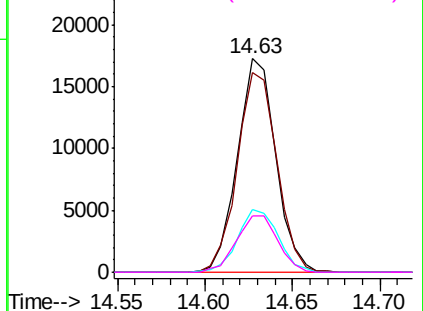
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

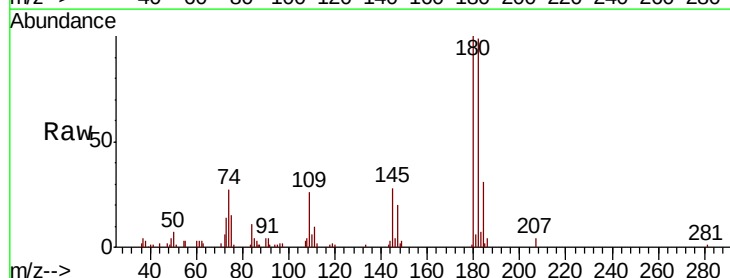
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.113 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017074.D
 Acq: 04 Nov 2020 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.7	115.1
145	30.2	23.6	35.4

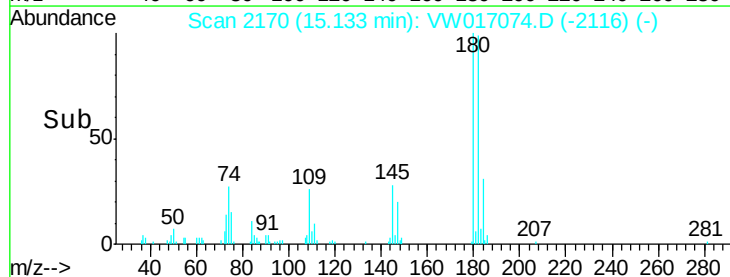
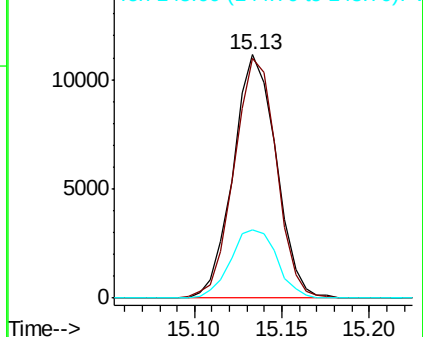


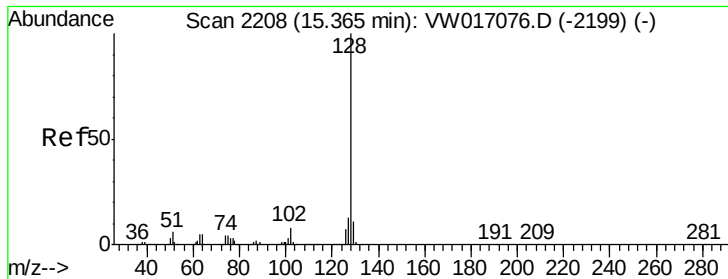
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.966 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

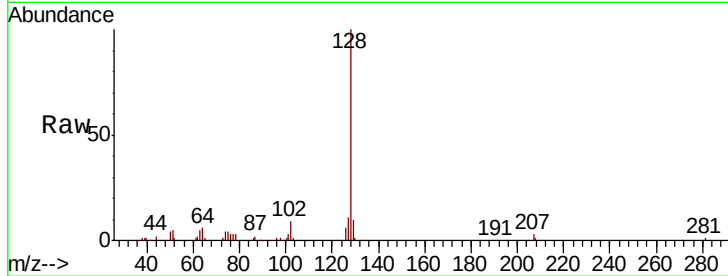
Tot Ion:128 Resp: 30129

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

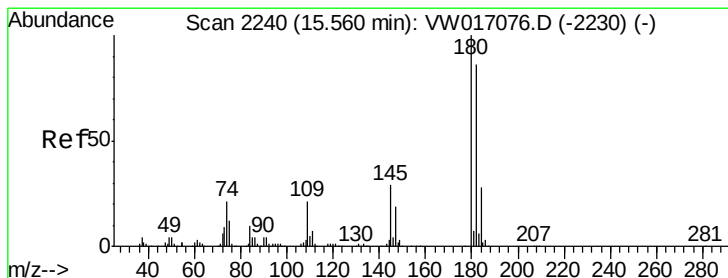
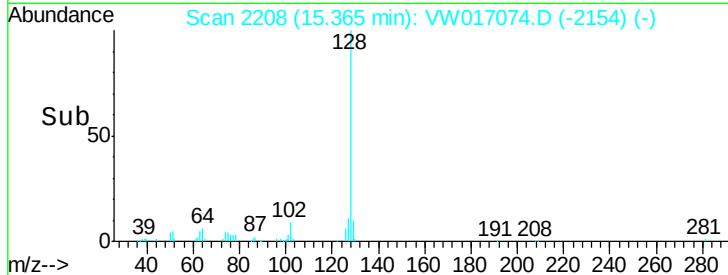
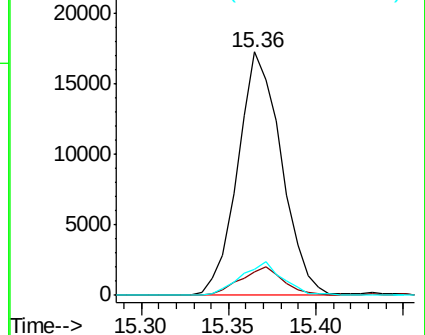
127 12.9 10.2 15.2



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: 2.276 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017074.D

Acq: 04 Nov 2020 14:07

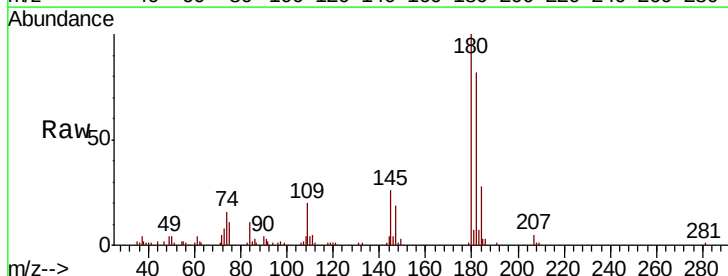
Tgt Ion:180 Resp: 18193

Ion Ratio Lower Upper

180 100

182 92.5 75.5 113.3

145 31.7 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

