

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017323.D
 Acq On : 18 Nov 2020 12:32
 Operator : SY/VA
 Sample : VSTD05002
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

Quant Time: Nov 18 13:12:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 12:44:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	376972	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345501	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181593	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	252380	53.82	ug/L	0.00
7) Chloroethane-d5	2.89	69	207473	56.66	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	466877	55.02	ug/L	0.00
20) 2-Butanone-d5	7.08	46	79546	80.00	ug/L	0.00
24) Chloroform-d	7.65	84	465466	53.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	218327	50.66	ug/L	0.00
29) Benzene-d6	8.28	84	919709	52.67	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	244463	50.98	ug/L	0.00
37) Toluene-d8	10.33	98	887378	53.70	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	109133	51.05	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	67364	85.78	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	178474	44.18	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	312799	50.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	179784	48.773	ug/L 98
3) Chloromethane	2.22	50	187167	53.765	ug/L 98
5) Vinyl chloride	2.37	62	281054	55.107	ug/L 99
6) Bromomethane	2.79	94	203837	57.048	ug/L 99
8) Chloroethane	2.93	64	175886	56.817	ug/L 98
9) Trichlorofluoromethane	3.27	101	268062	64.052	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	261923	54.076	ug/L 97
12) 1,1-Dichloroethene	4.04	96	251940	53.973	ug/L 89
13) Acetone	4.13	43	56999	84.734	ug/L 97
14) Carbon disulfide	4.39	76	754034	58.095	ug/L 98
15) Methyl Acetate	4.67	43	66890	40.750	ug/L 97
16) Methylene chloride	4.92	84	253205	48.697	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	281577	50.408	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	266575	54.713	ug/L 98
19) 1,1-Dichloroethane	6.22	63	406536	53.289	ug/L 100
21) 2-Butanone	7.17	43	83969	78.420	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	268290	52.782	ug/L 99
23) Bromochloromethane	7.51	128	121395	50.326	ug/L 98
25) Chloroform	7.68	83	444276	53.294	ug/L 99
27) 1,2-Dichloroethane	8.40	62	247744	50.142	ug/L 98
30) Cyclohexane	7.96	56	365613	56.177	ug/L 99
31) 1,1,1-Trichloroethane	7.88	97	407320	56.738	ug/L 99
32) Carbon tetrachloride	8.07	117	392272	56.711	ug/L 98
34) Benzene	8.33	78	967041	53.151	ug/L 100
35) Trichloroethene	9.10	95	275211	53.640	ug/L 99
36) Methylcyclohexane	9.34	83	462595	56.044	ug/L 99
40) 1,2-Dichloropropane	9.37	63	213760	50.847	ug/L 99
41) Bromodichloromethane	9.65	83	308954	53.058	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	350002	52.702	ug/L 97
43) 4-Methyl-2-pentanone	10.21	43	188974	76.843	ug/L 98

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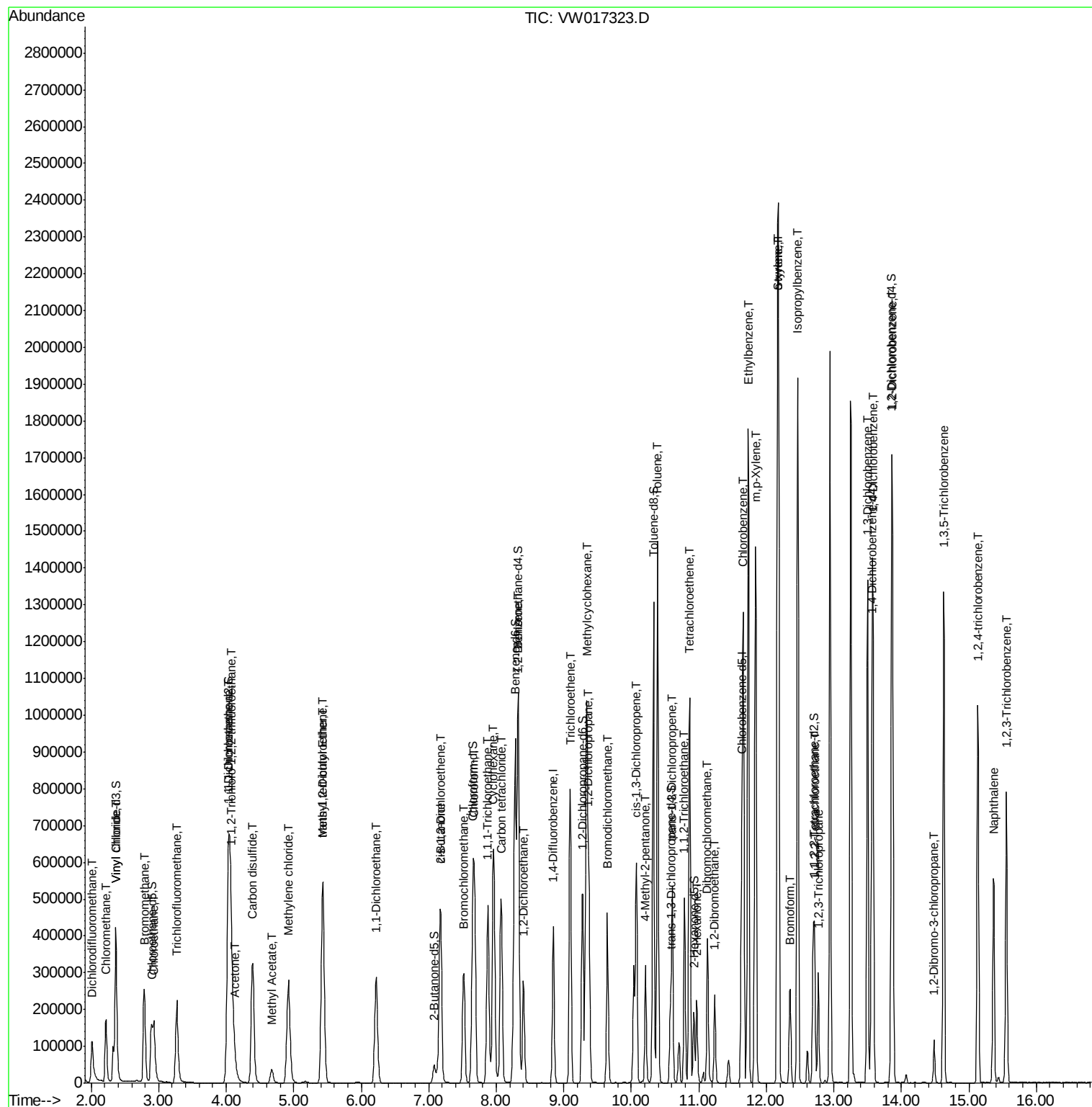
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1096322	54.729	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	297347	52.587	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	164226	46.375	ug/L	98
47) Tetrachloroethene	10.87	164	245031	52.831	ug/L	98
49) 2-Hexanone	10.97	43	127139	85.859	ug/L	100
50) Dibromochloromethane	11.13	129	219165	50.194	ug/L	97
51) 1,2-Dibromoethane	11.24	107	160661	46.834	ug/L	100
52) Chlorobenzene	11.66	112	711325	52.715	ug/L	99
53) Ethylbenzene	11.73	91	1240672	55.212	ug/L	95
54) m,p-Xylene	11.84	106	488419	55.959	ug/L	88
55) o-xylene	12.17	106	459934	55.711	ug/L	94
56) Styrene	12.18	104	766511	55.496	ug/L	99
57) Isopropylbenzene	12.46	105	1274431	56.680	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	177059	44.134	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	123939	43.081	ug/L	98
62) Bromoform	12.35	173	123472	46.716	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	587843	52.800	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	563696	50.585	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	493242	49.998	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26459	42.167	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	437514	53.582	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	353317	55.110	ug/L	96
69) Naphthalene	15.36	128	495576	44.420	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	289380	50.100	ug/L	100

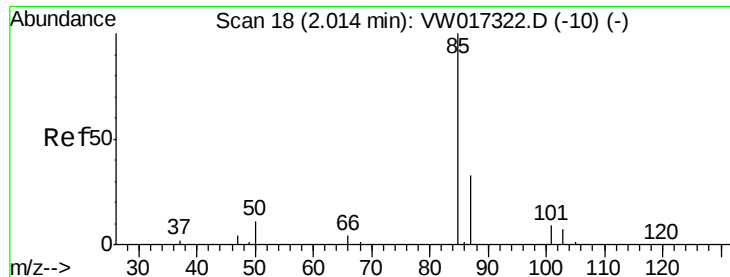
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.773 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

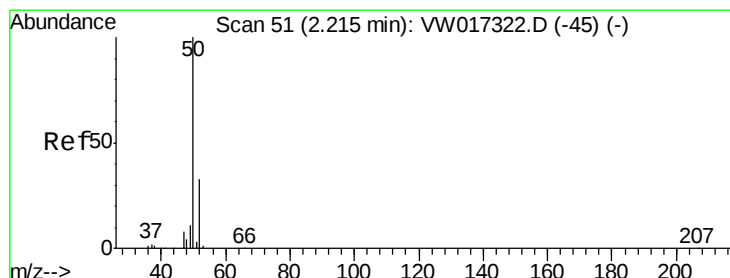
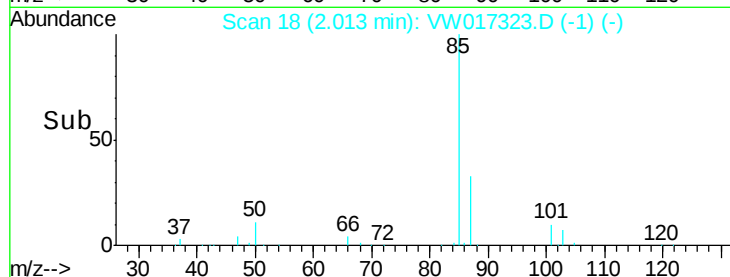
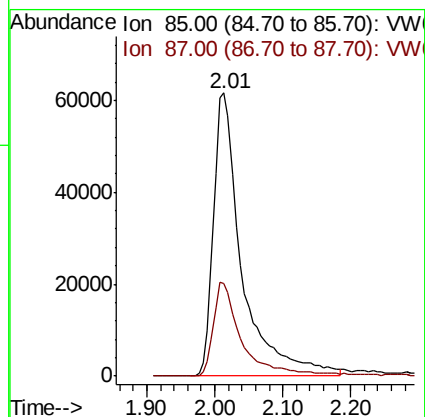
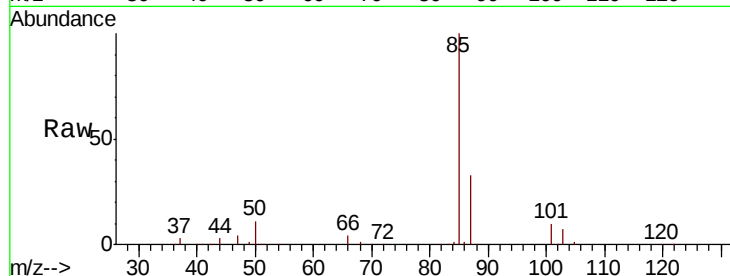
VSTD05002

Tot Ion: 85 Resp: 179784

Ion Ratio Lower Upper

85 100

87 32.3 21.8 40.4



#3

Chloromethane

Concen: 53.765 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017323.D

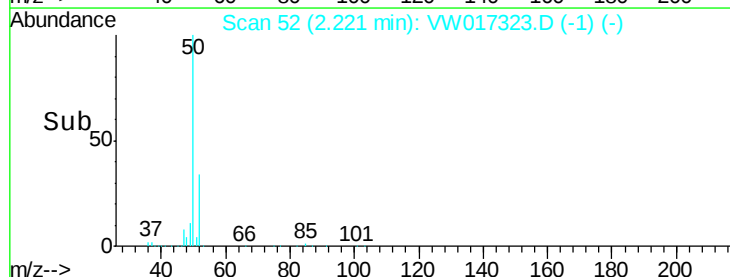
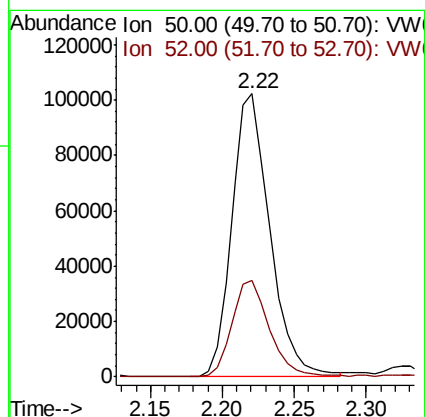
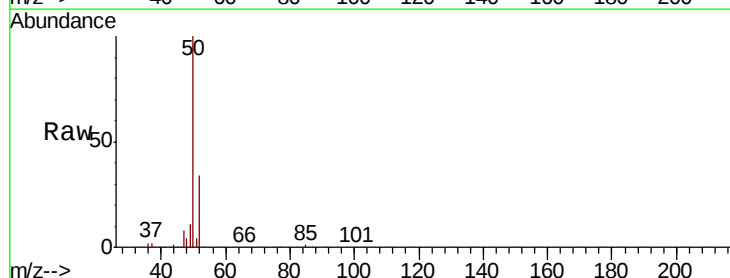
Acq: 18 Nov 2020 12:32

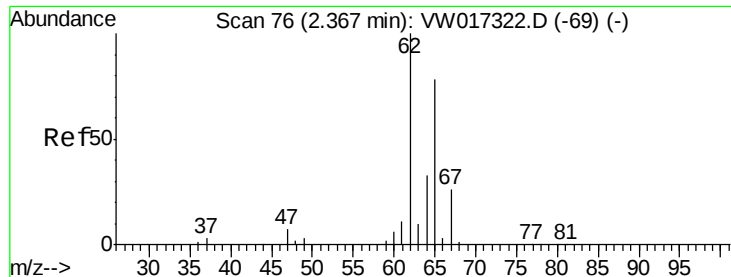
Tgt Ion: 50 Resp: 187167

Ion Ratio Lower Upper

50 100

52 34.1 23.2 43.0





#5

Vinyl chloride

Concen: 55.107 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

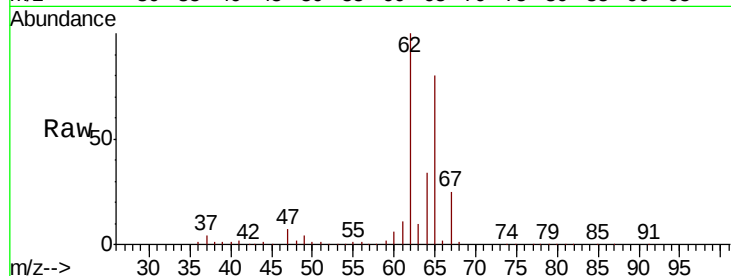
VSTD05002

Tot Ion: 62 Resp: 281054

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

150000

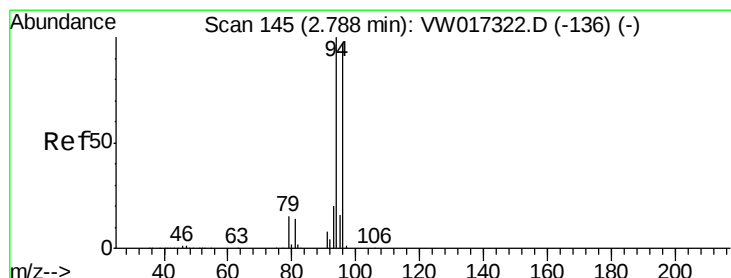
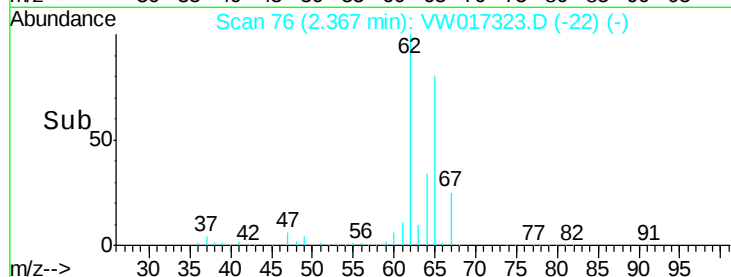
100000

50000

0

Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 57.048 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017323.D

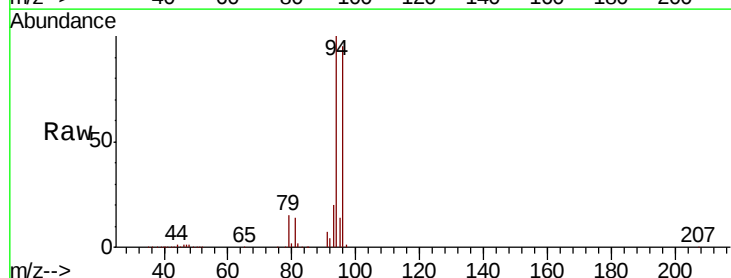
Acq: 18 Nov 2020 12:32

Tgt Ion: 94 Resp: 203837

Ion Ratio Lower Upper

94 100

96 94.9 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

100000

80000

60000

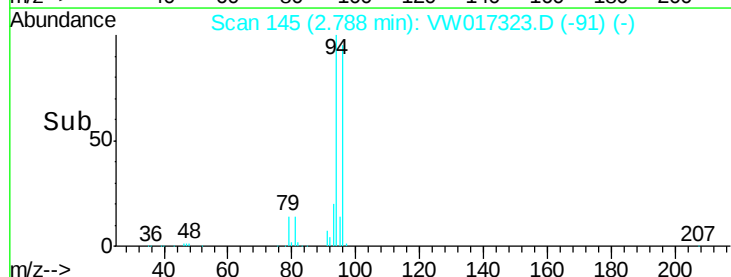
40000

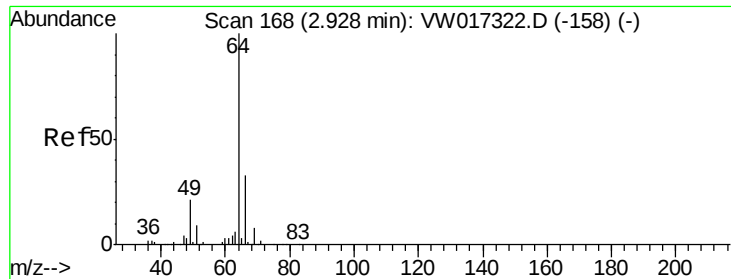
20000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 56.817 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

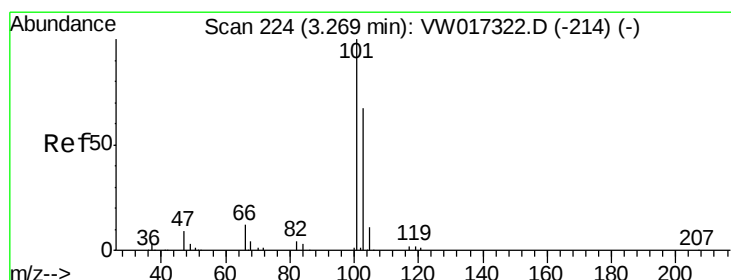
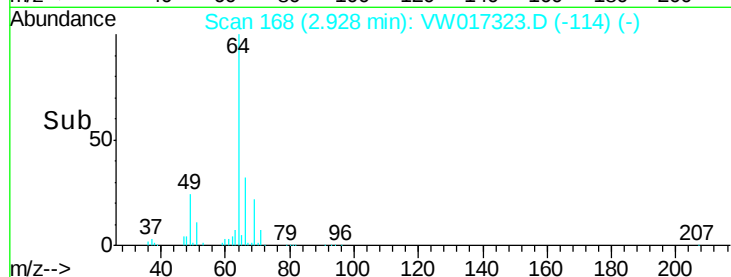
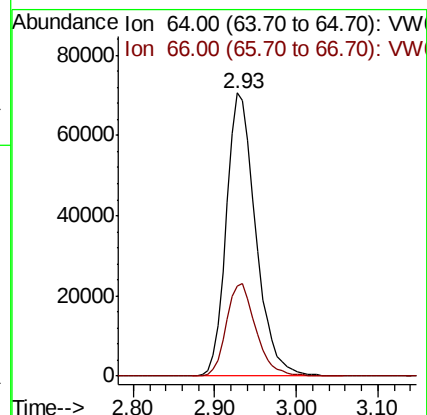
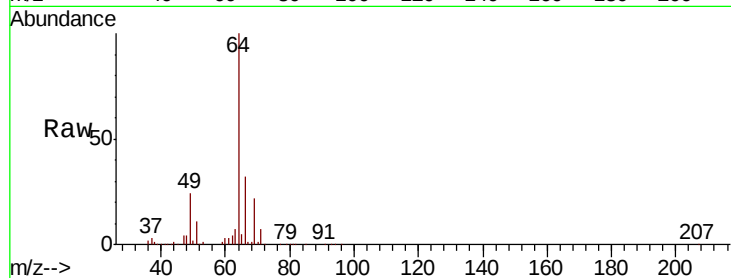
VSTD05002

Tot Ion: 64 Resp: 175886

Ion Ratio Lower Upper

64 100

66 31.7 23.2 43.0



#9

Trichlorofluoromethane

Concen: 64.052 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017323.D

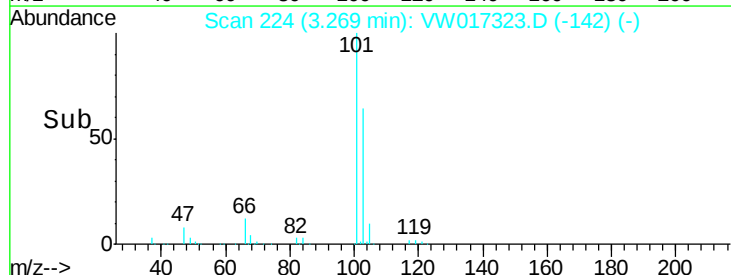
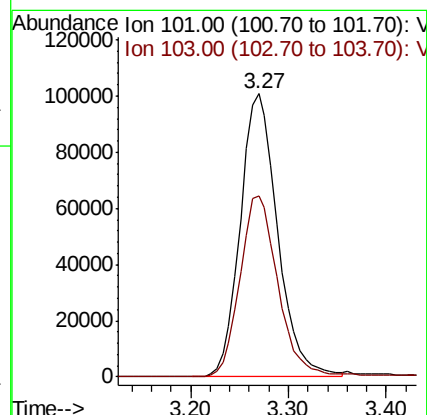
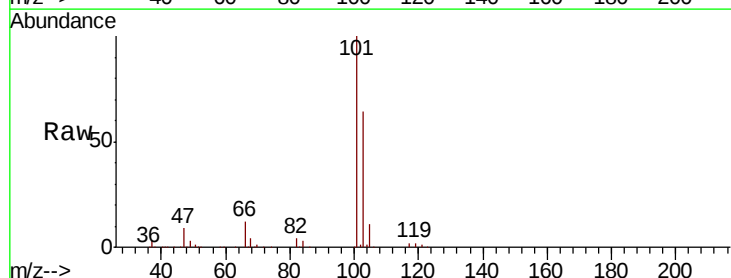
Acq: 18 Nov 2020 12:32

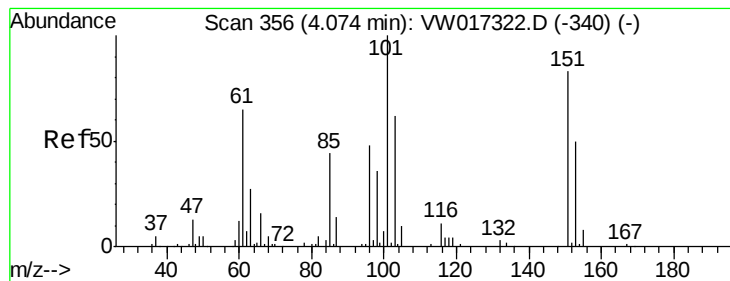
Tgt Ion: 101 Resp: 268062

Ion Ratio Lower Upper

101 100

103 64.9 45.8 85.2





#11

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

Concen: 54.076 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

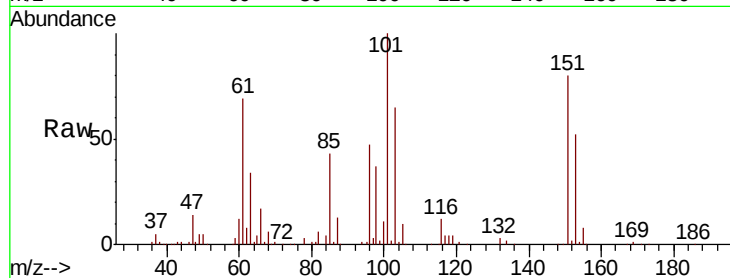
Tot Ion: 101 Resp: 261923

Ion Ratio Lower Upper

101 100

85 40.8 34.6 51.8

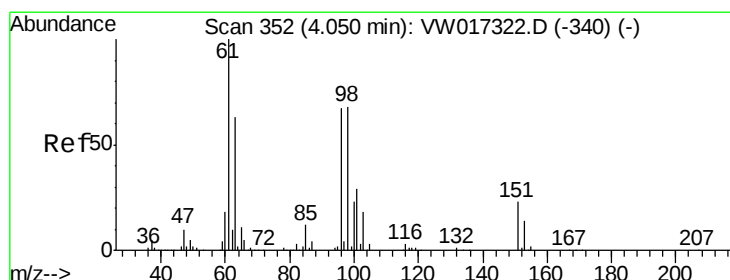
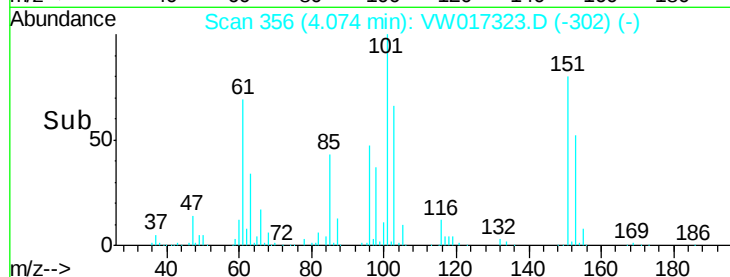
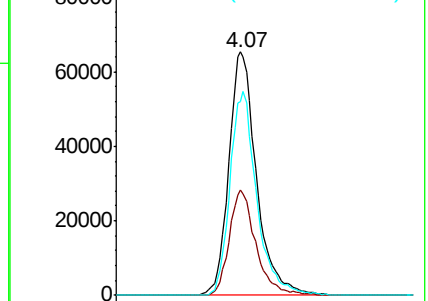
151 80.6 66.3 99.5



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: 53.973 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

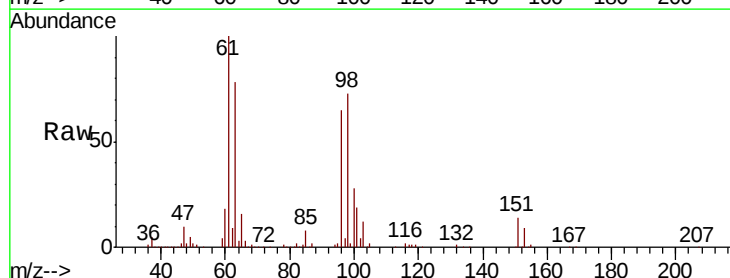
Tgt Ion: 96 Resp: 251940

Ion Ratio Lower Upper

96 100

61 154.9 104.7 194.4

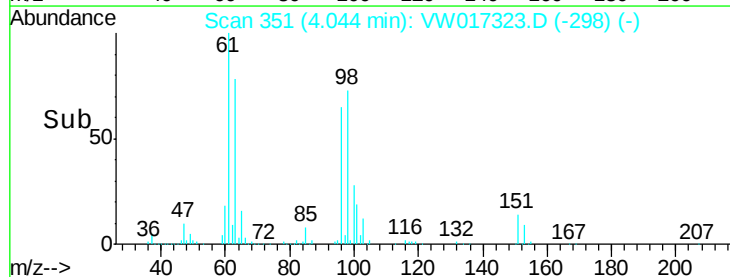
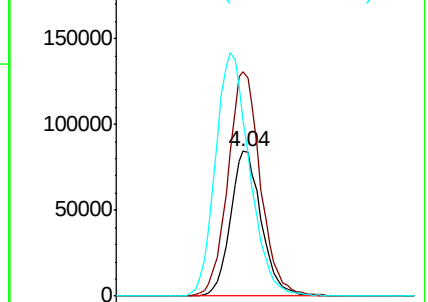
63 121.1 69.6 129.2

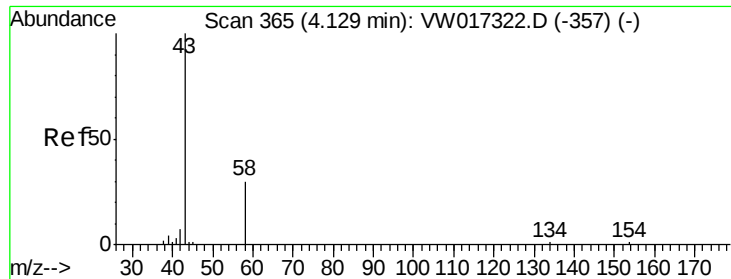


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 84.734 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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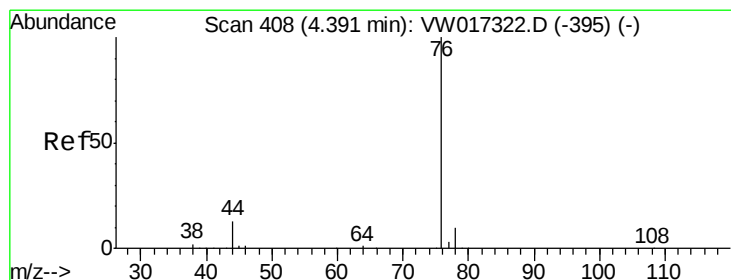
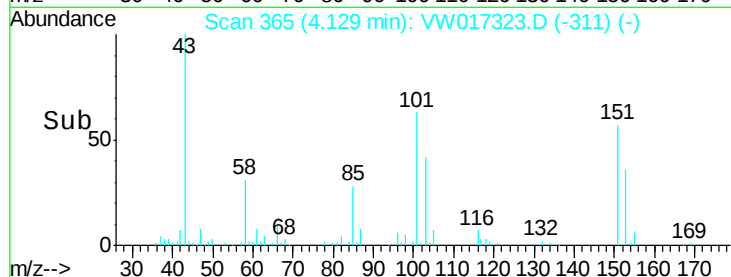
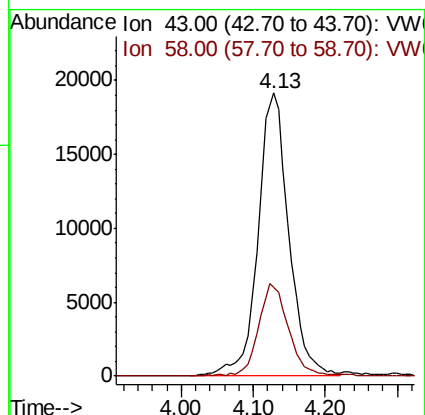
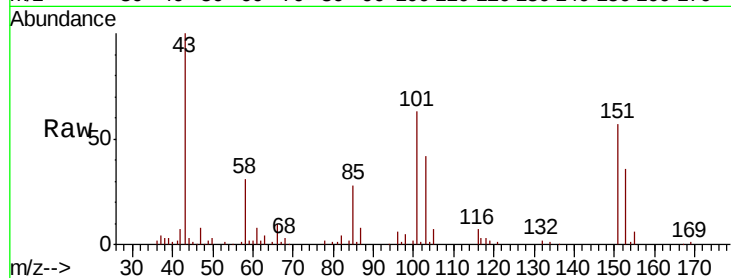
VSTD05002

Tot Ion: 43 Resp: 56999

Ion Ratio Lower Upper

43 100

58 31.6 0.0 67.0



#14

Carbon disulfide

Concen: 58.095 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017323.D

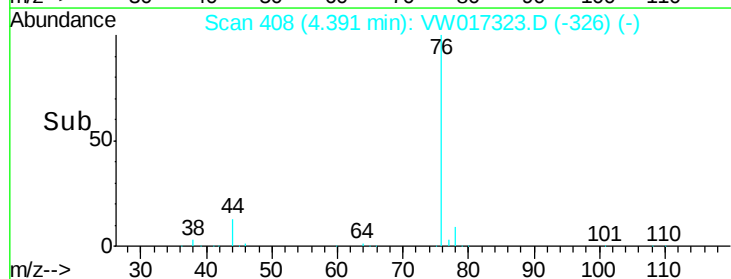
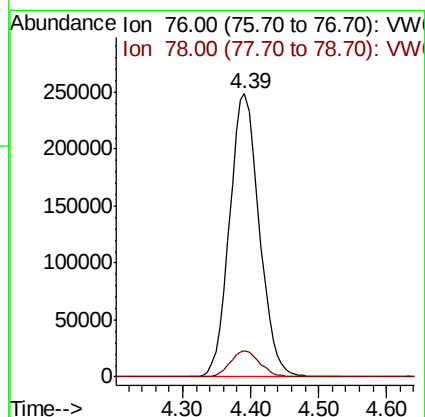
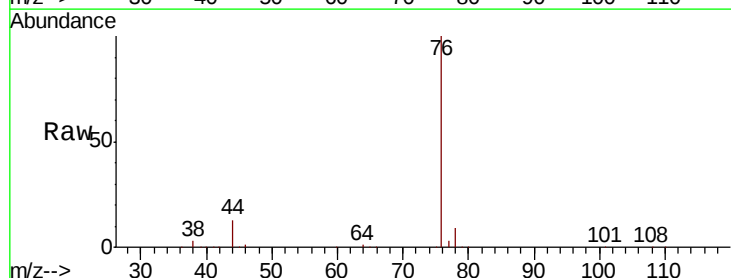
Acq: 18 Nov 2020 12:32

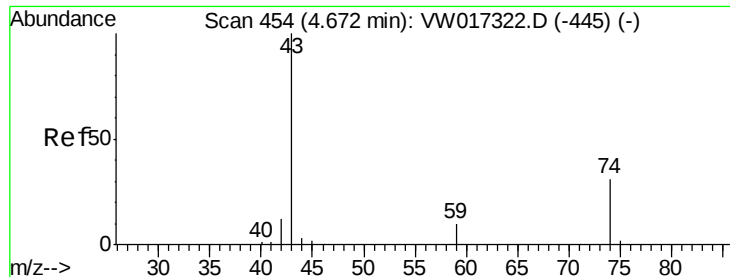
Tgt Ion: 76 Resp: 754034

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6





#15

Methyl Acetate

Concen: 40.750 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

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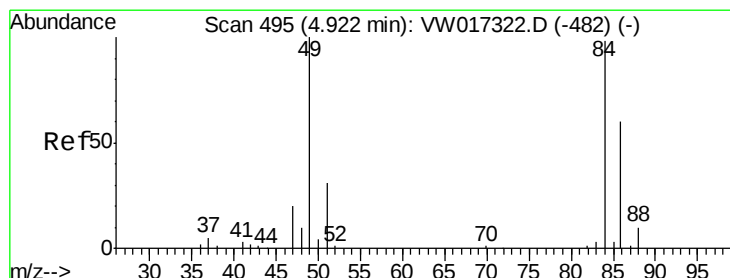
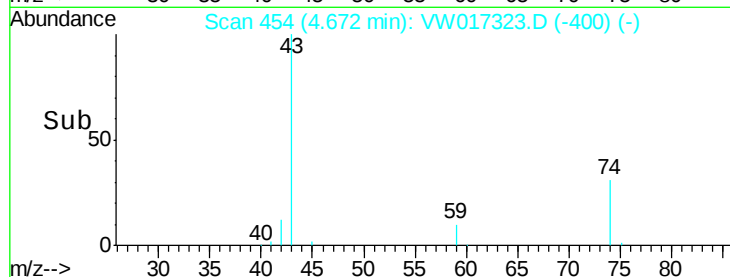
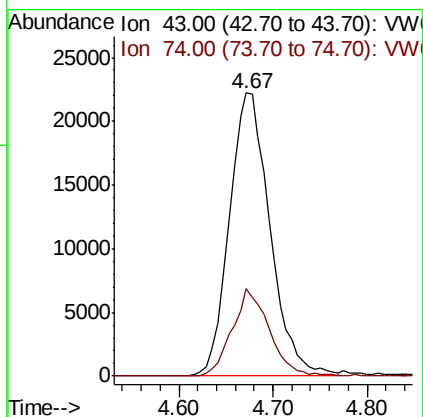
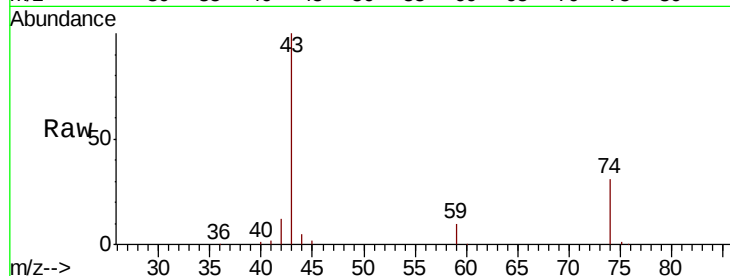
VSTD05002

Tot Ion: 43 Resp: 66890

Ion Ratio Lower Upper

43 100

74 27.8 23.7 35.5



#16

Methylene chloride

Concen: 48.697 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

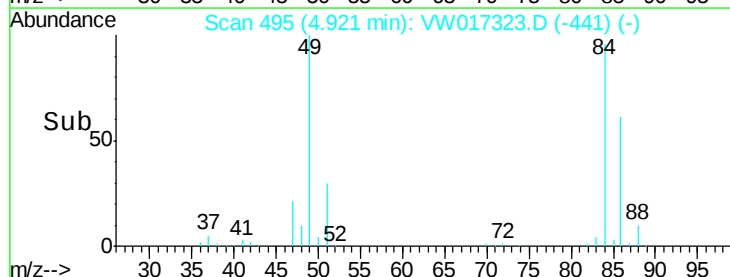
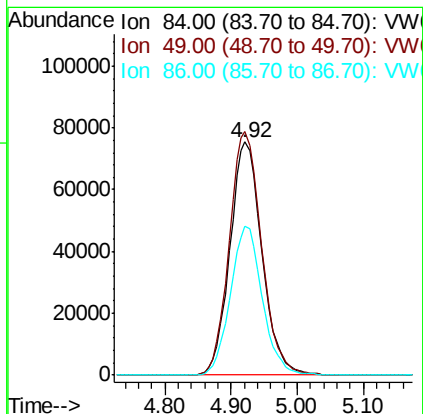
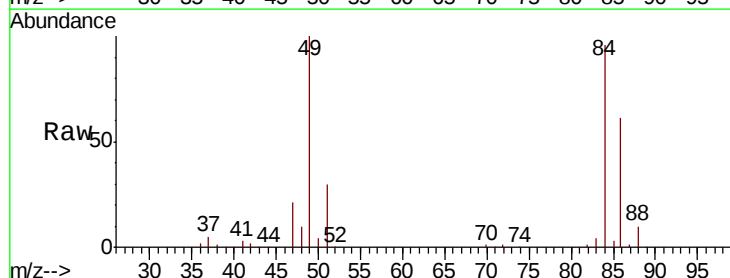
Tgt Ion: 84 Resp: 253205

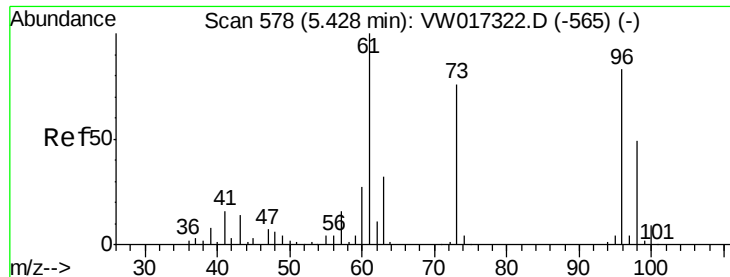
Ion Ratio Lower Upper

84 100

49 104.5 71.5 132.9

86 64.1 42.8 79.4

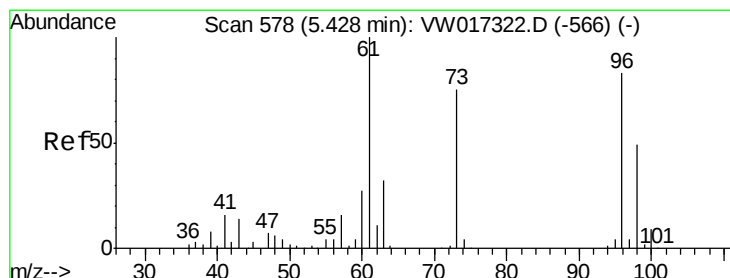
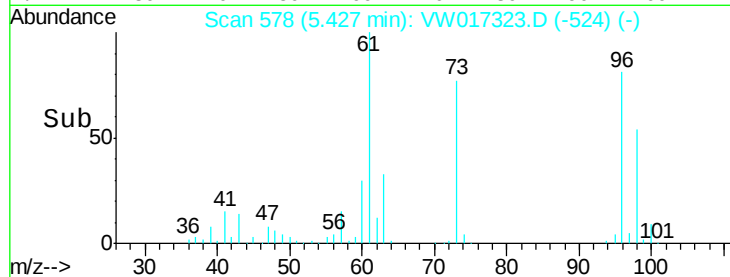
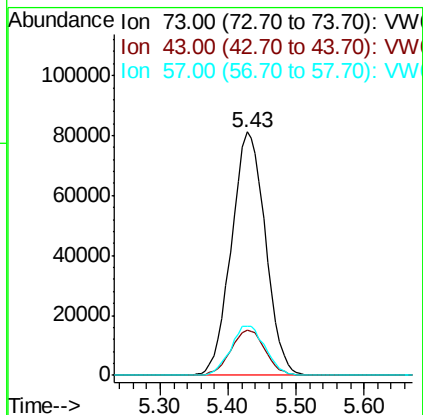
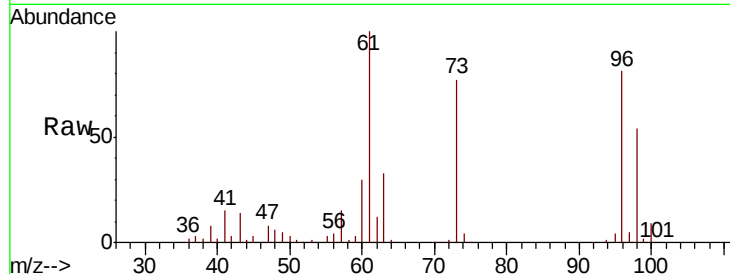




#17
Methvl tert-butvl Ether
Concen: 50.408 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

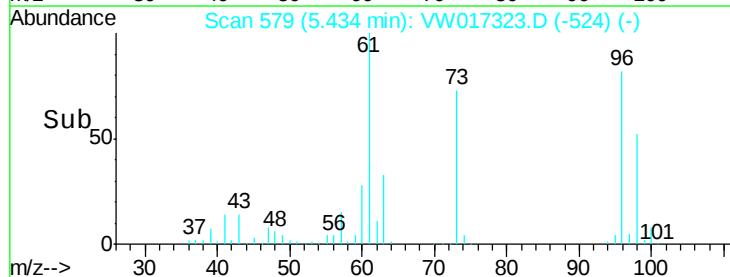
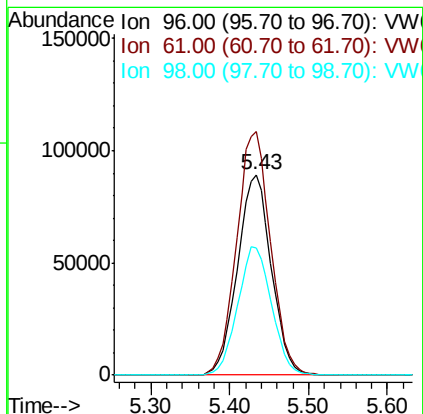
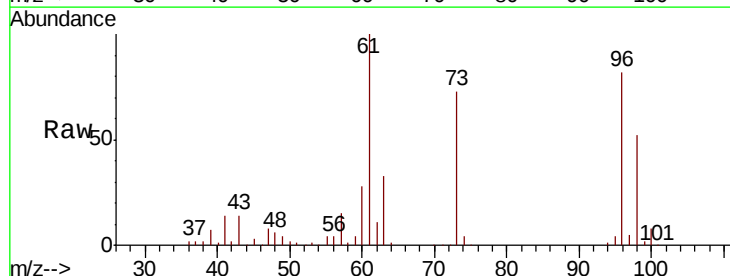
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

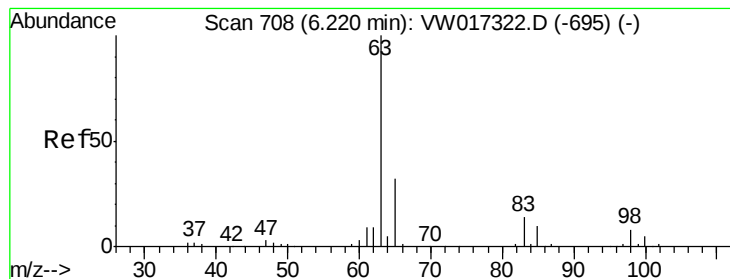
Tot Ion: 73 Resp: 281577
Ion Ratio Lower Upper
73 100
43 18.9 15.7 23.5
57 20.6 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 54.713 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion: 96 Resp: 266575
Ion Ratio Lower Upper
96 100
61 121.4 84.3 156.5
98 63.3 41.5 77.1





#19

1,1-Dichloroethane

Concen: 53.289 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

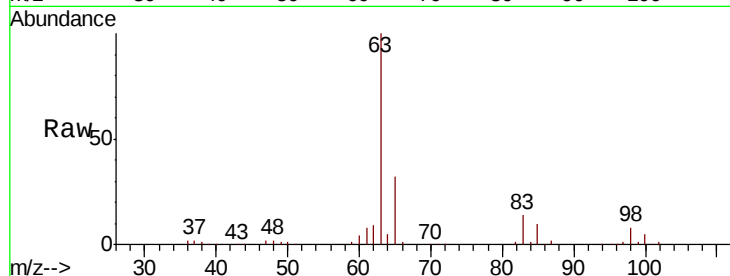
Tot Ion: 63 Resp: 406536

Ion Ratio Lower Upper

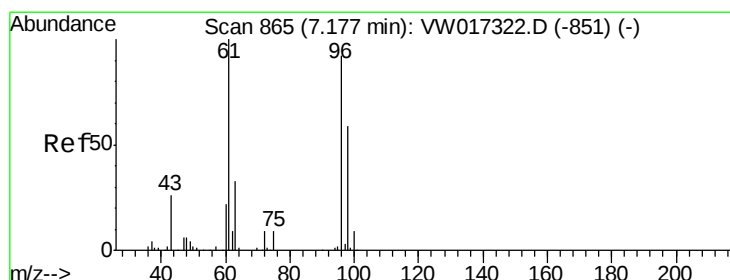
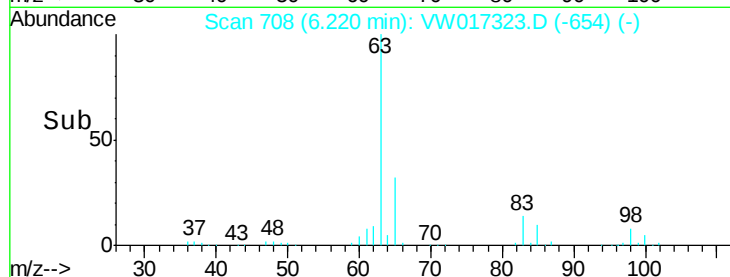
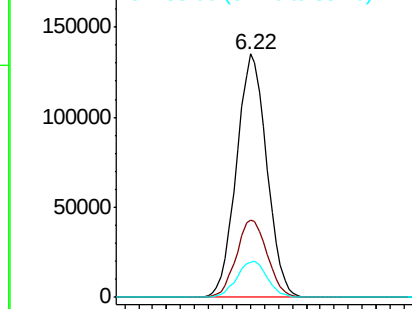
63 100

65 32.0 22.3 41.5

83 14.2 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 78.420 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017323.D

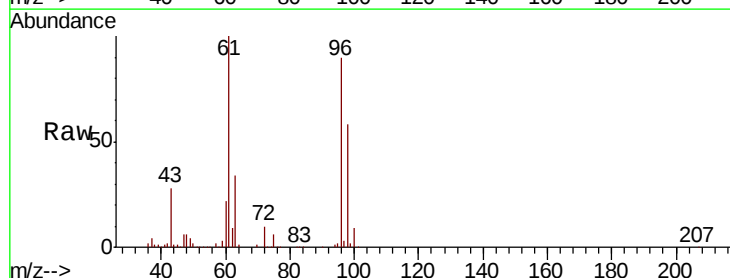
Acq: 18 Nov 2020 12:32

Tgt Ion: 43 Resp: 83969

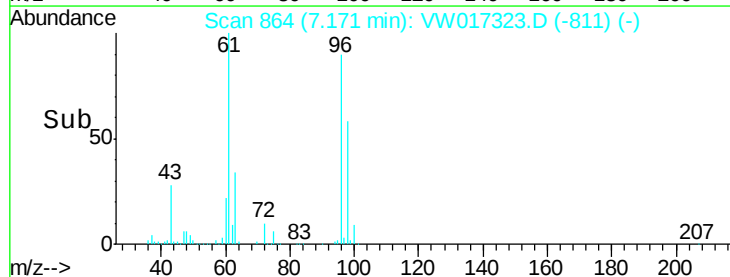
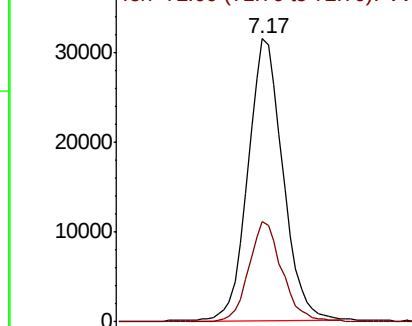
Ion Ratio Lower Upper

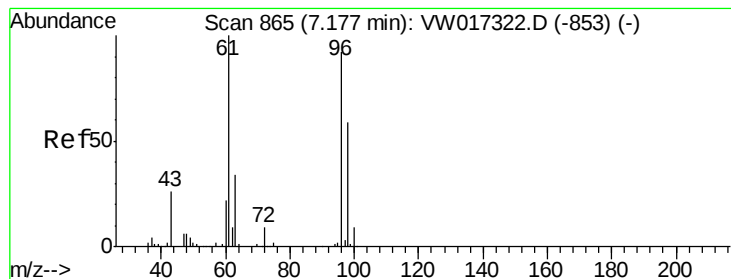
43 100

72 33.9 16.4 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



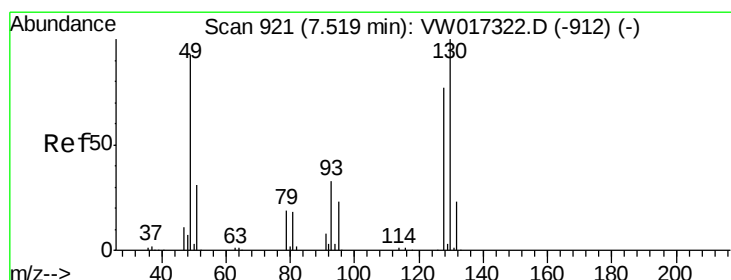
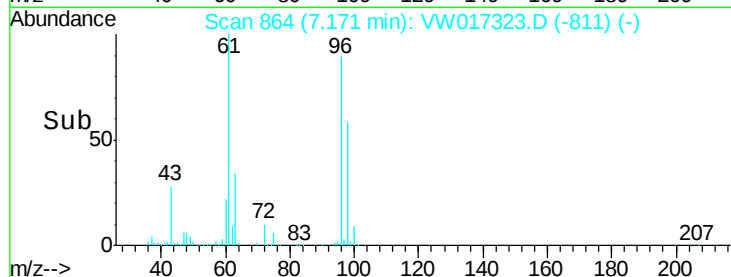
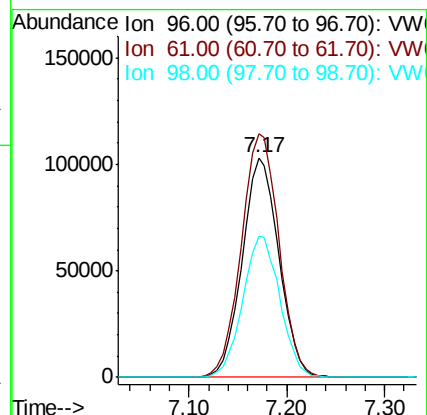
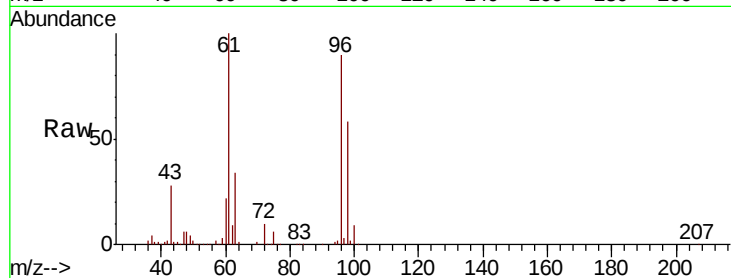


#22

cis-1,2-Dichloroethene
Concen: 52.782 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

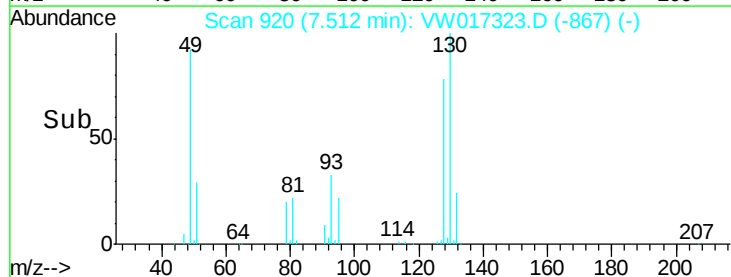
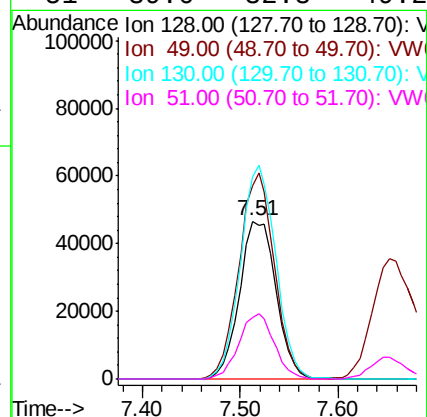
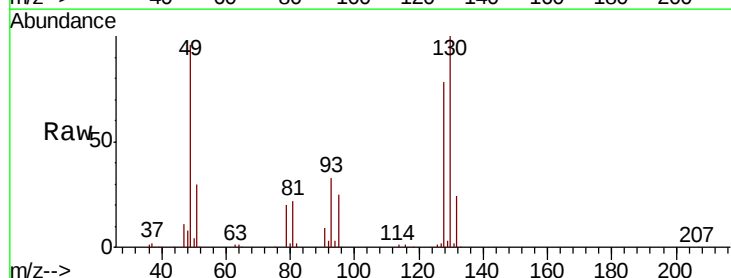
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.8	76.1	141.3
98	64.1	44.7	82.9

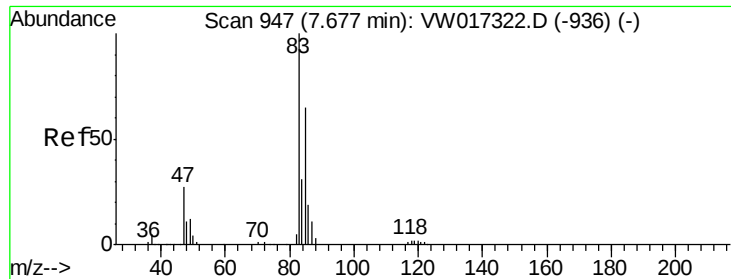


#23

Bromochloromethane
Concen: 50.326 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
128	100		
49	123.0	85.5	158.7
130	128.4	91.5	169.9
51	39.0	32.8	49.2

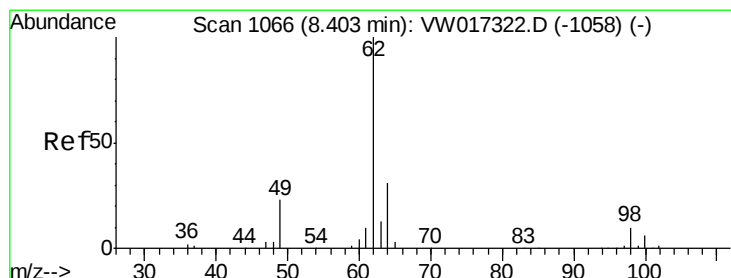
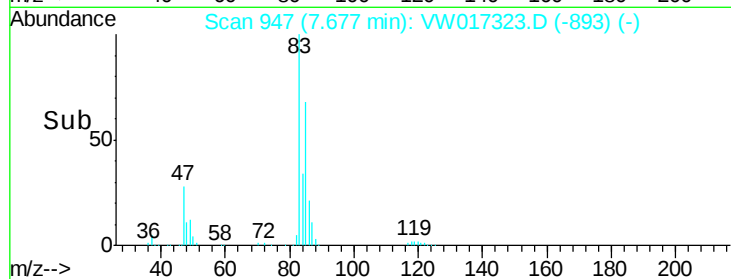
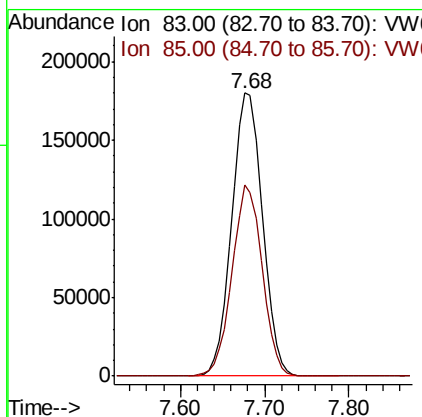
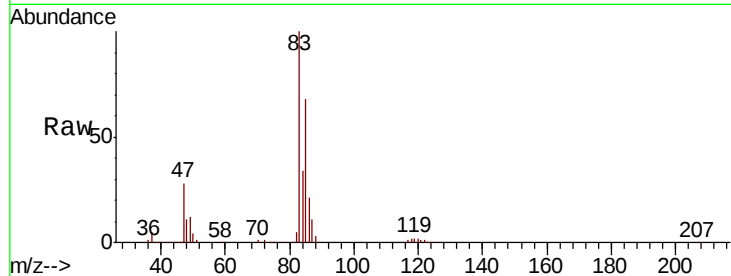




#25
Chloroform
Concen: 53.294 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

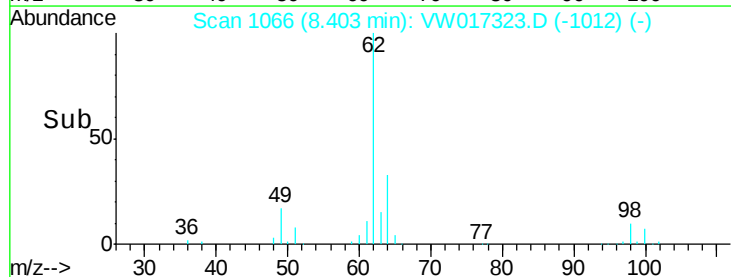
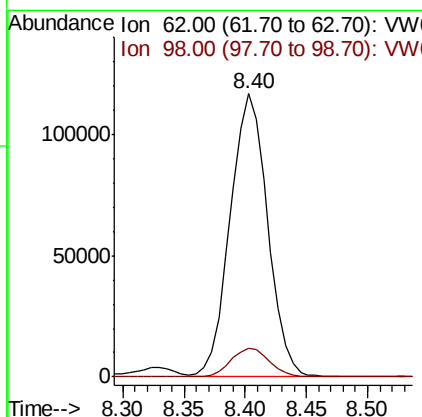
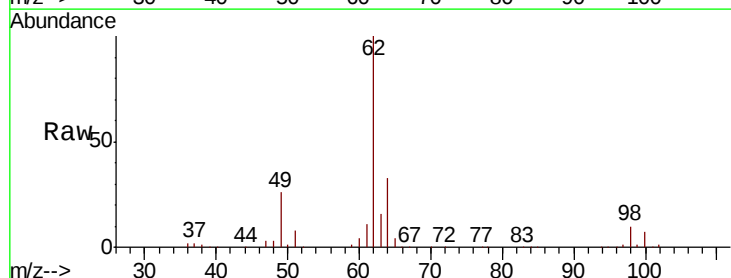
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

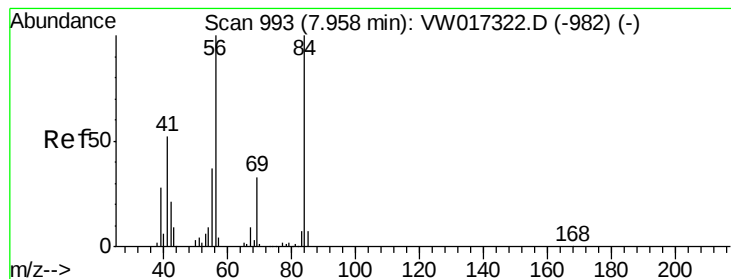
Tot Ion: 83 Resp: 444276
Ion Ratio Lower Upper
83 100
85 66.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 50.142 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion: 62 Resp: 247744
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5





#30

Cvclohexane

Concen: 56.177 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

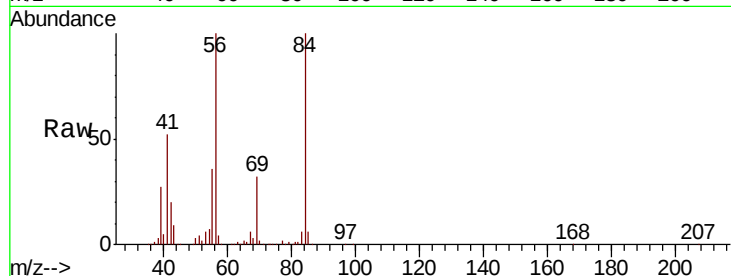
Tot Ion: 56 Resp: 365613

Ion Ratio Lower Upper

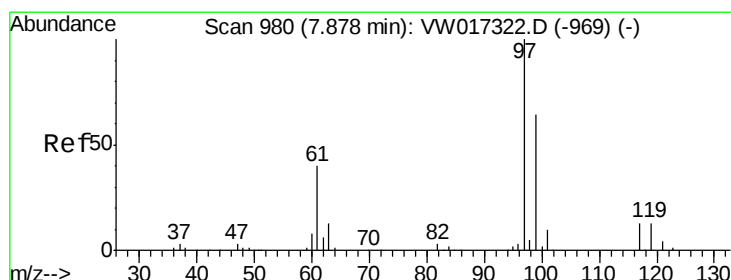
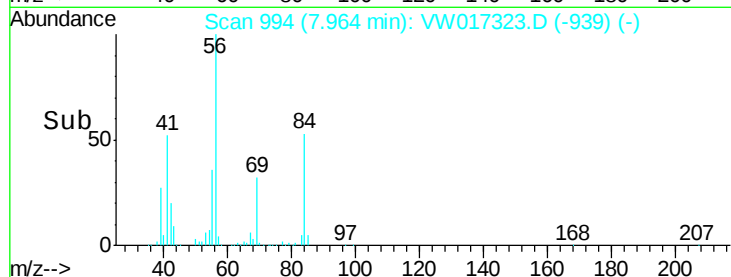
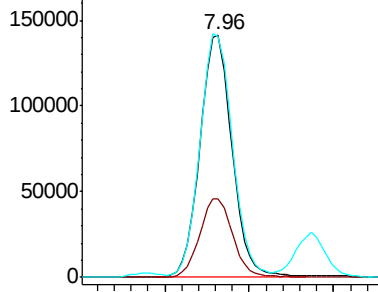
56 100

69 33.4 27.0 40.6

84 101.6 82.2 123.4



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: 56.738 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

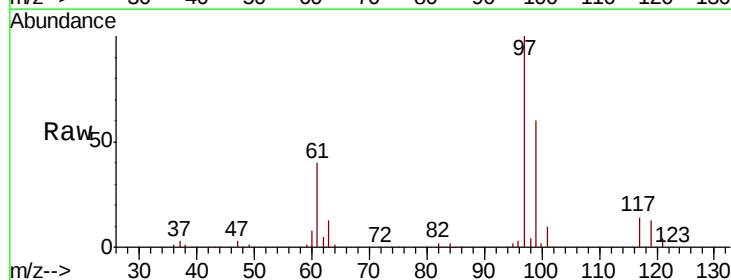
Tgt Ion: 97 Resp: 407320

Ion Ratio Lower Upper

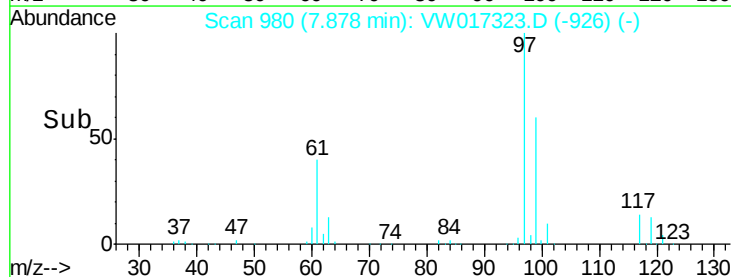
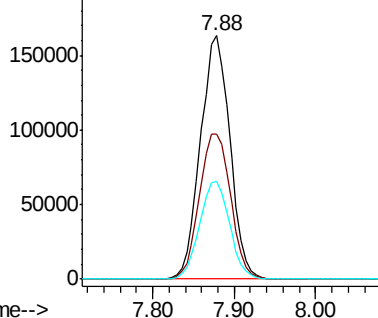
97 100

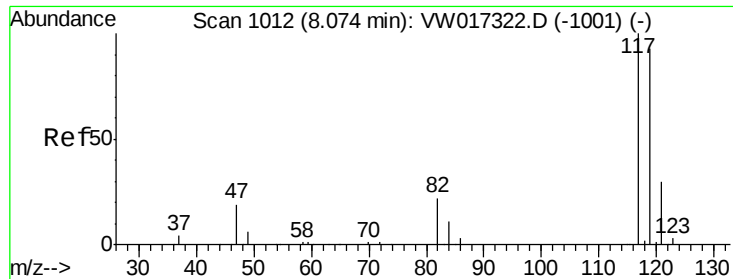
99 63.3 51.4 77.2

61 40.9 32.7 49.1



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: 56.711 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

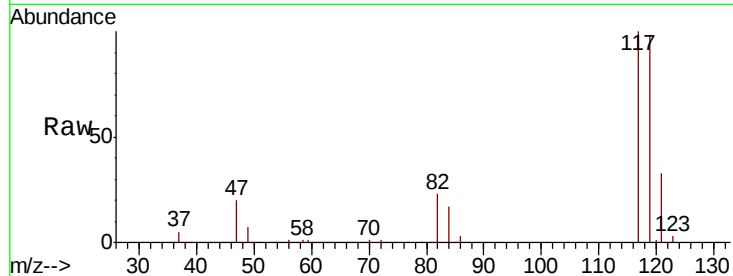
VSTD05002

Tot Ion:117 Resp: 392272

Ion Ratio Lower Upper

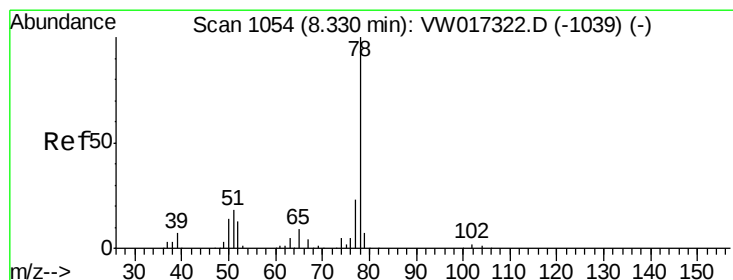
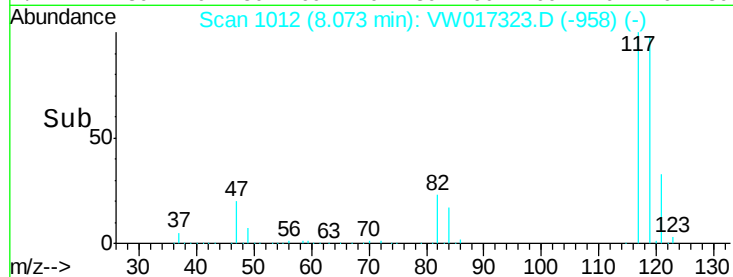
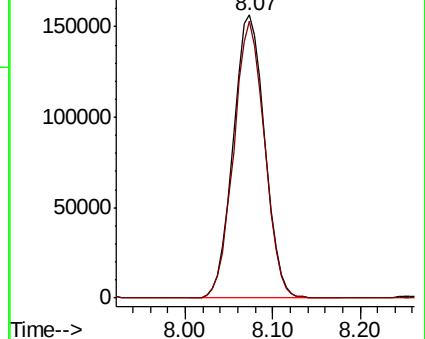
117 100

119 95.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 53.151 ug/L

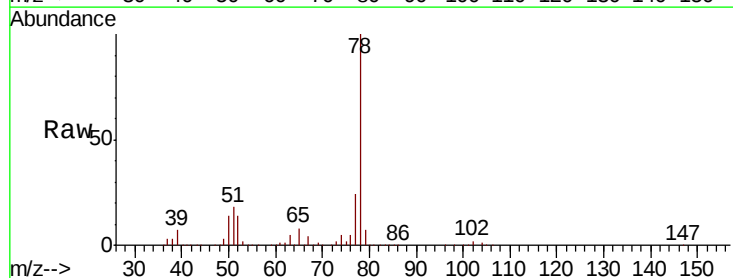
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

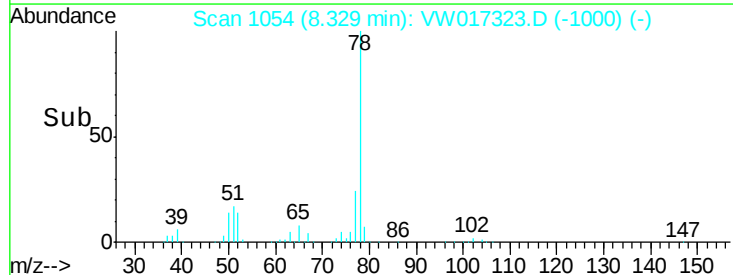
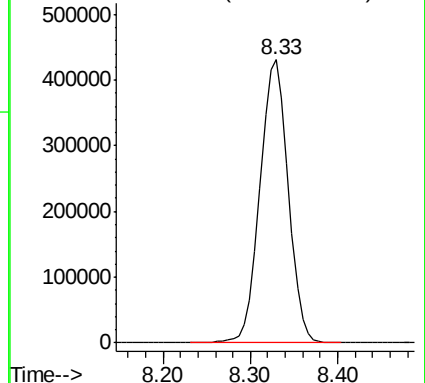
Lab File: VW017323.D

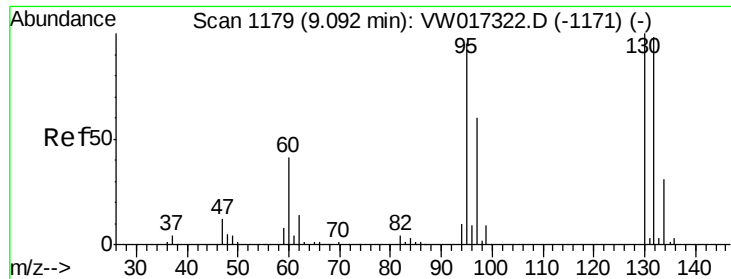
Acq: 18 Nov 2020 12:32

Tgt Ion: 78 Resp: 967041



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 53.640 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

Tot Ion: 95 Resp: 275211

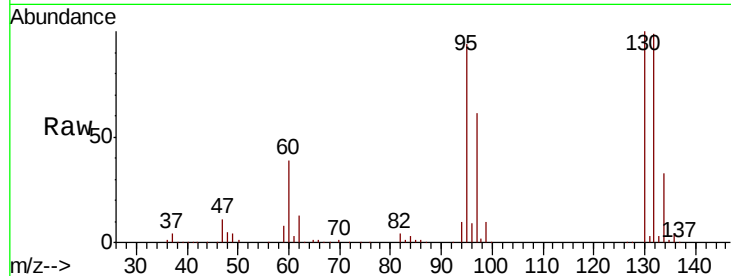
Ion Ratio Lower Upper

95 100

97 64.4 44.7 82.9

132 105.1 72.7 134.9

130 107.6 76.1 141.3

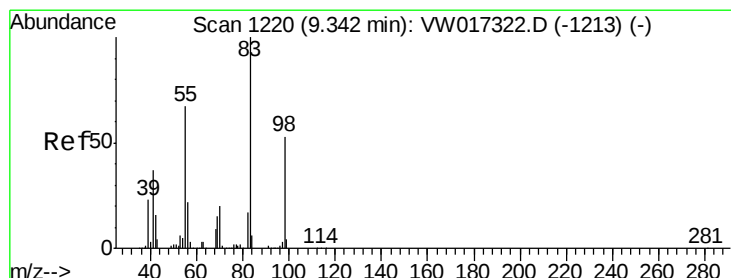
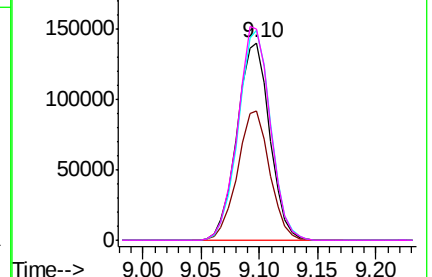
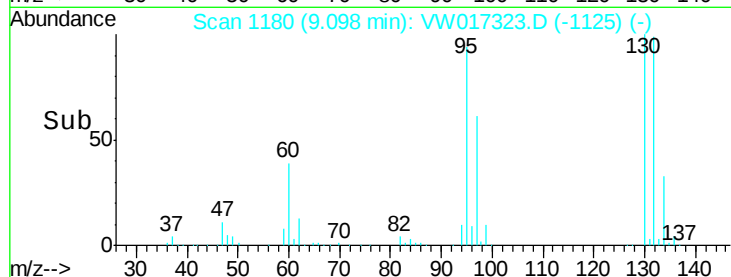


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 56.044 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

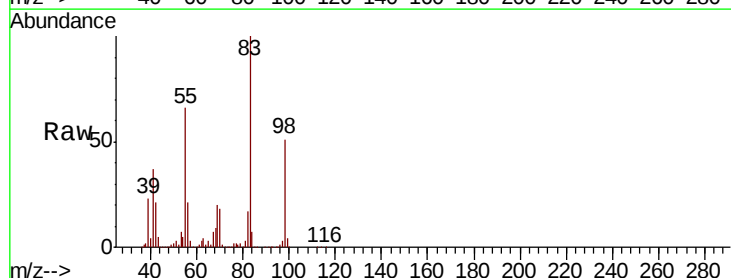
Tgt Ion: 83 Resp: 462595

Ion Ratio Lower Upper

83 100

55 67.1 54.6 81.8

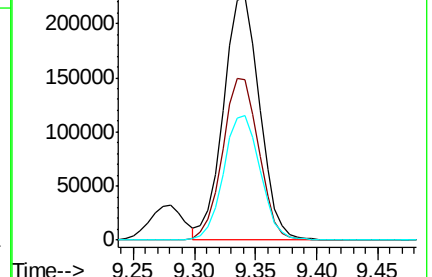
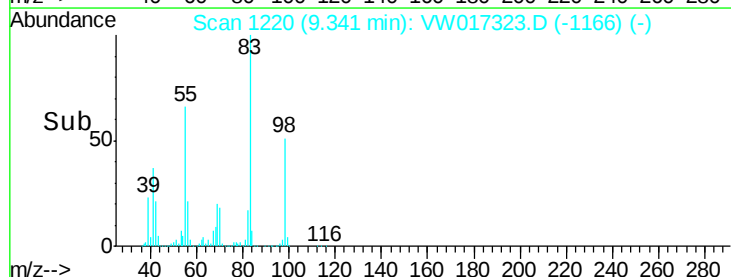
98 52.0 41.5 62.3

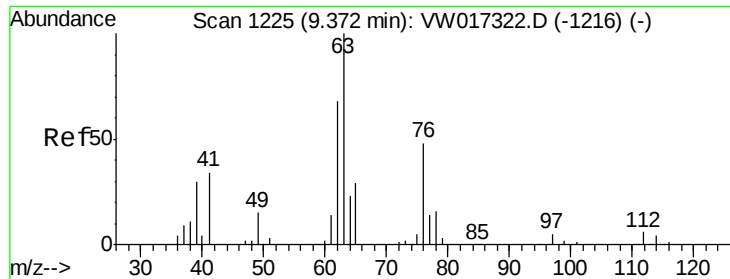


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

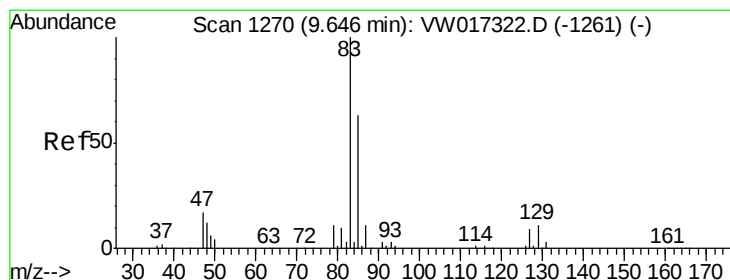
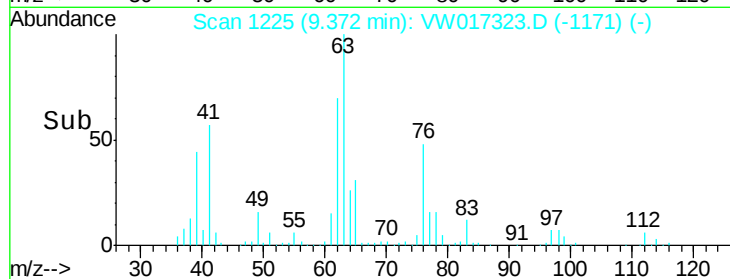
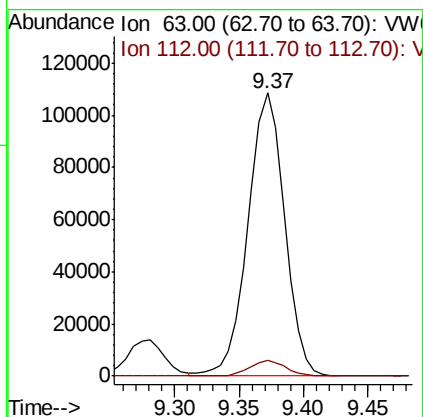
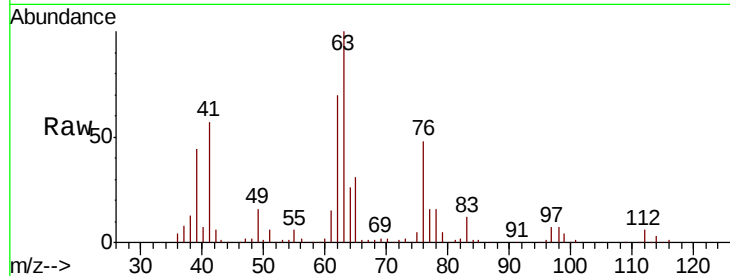




#40
 1,2-Dichloropropane
 Concen: 50.847 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

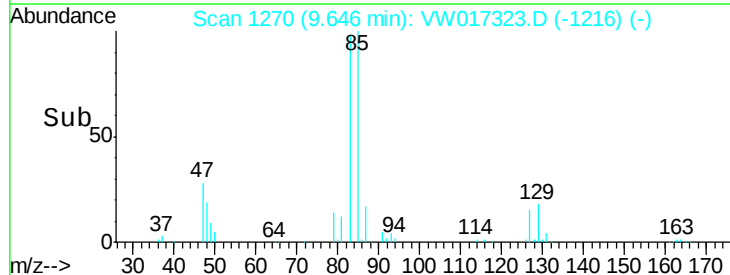
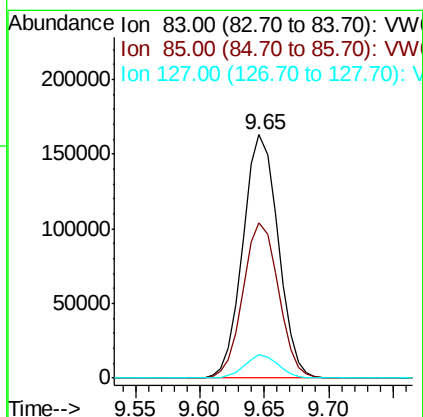
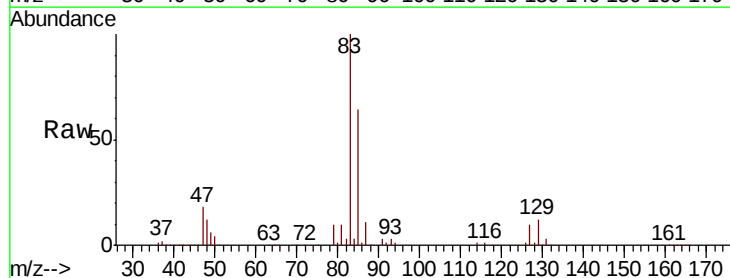
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

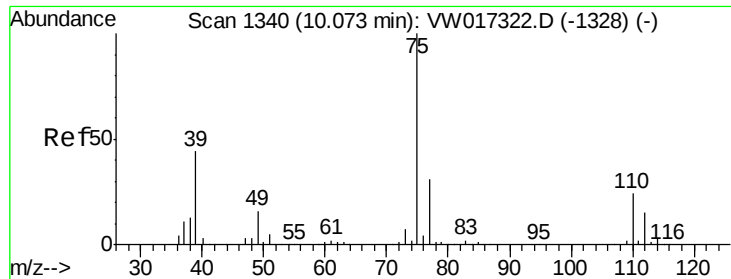
Tot Ion: 63 Resp: 213760
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.2 6.4



#41
 Bromodichloromethane
 Concen: 53.058 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

Tgt Ion: 83 Resp: 308954
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.1 81.9
 127 9.5 7.3 10.9





#42

cis-1,3-Dichloropropene

Concen: 52.702 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

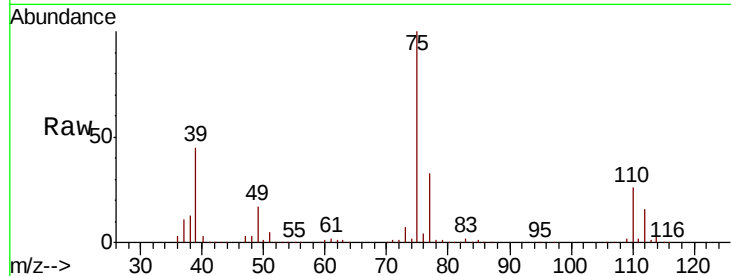
VSTD05002

Tot Ion: 75 Resp: 350002

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

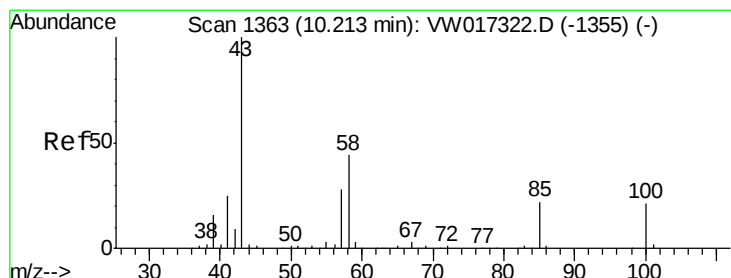
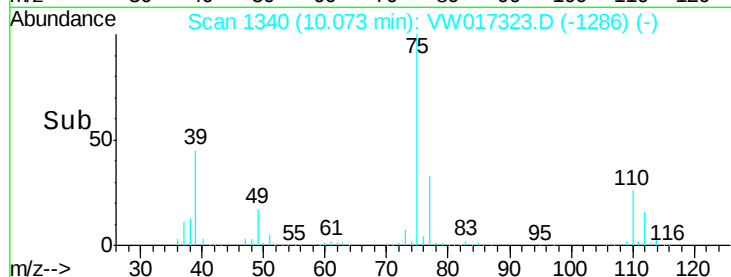
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 76.843 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

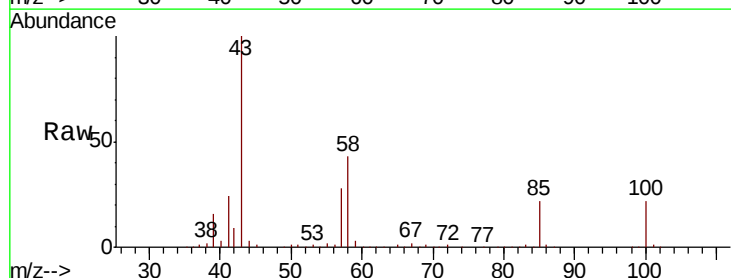
Tgt Ion: 43 Resp: 188974

Ion Ratio Lower Upper

43 100

58 42.9 33.4 50.2

100 21.2 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

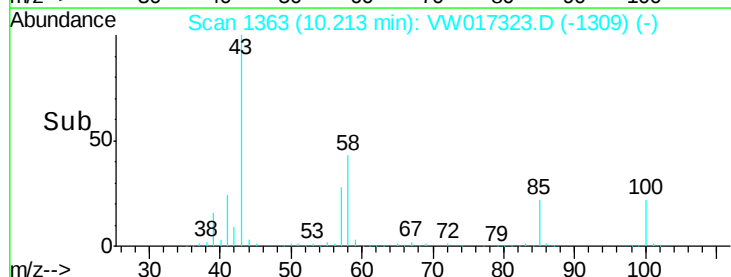
300000

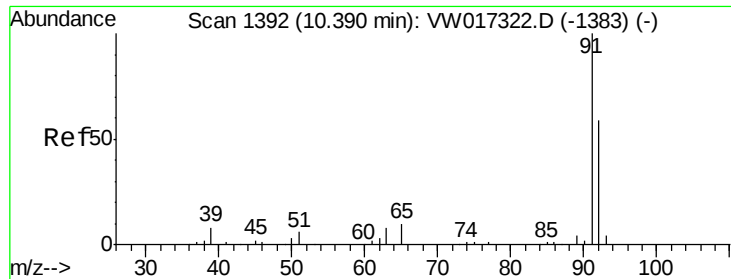
200000

100000

0

Time-->





#44

Toluene

Concen: 54.729 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

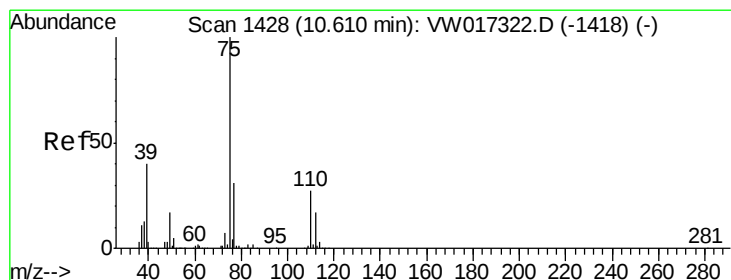
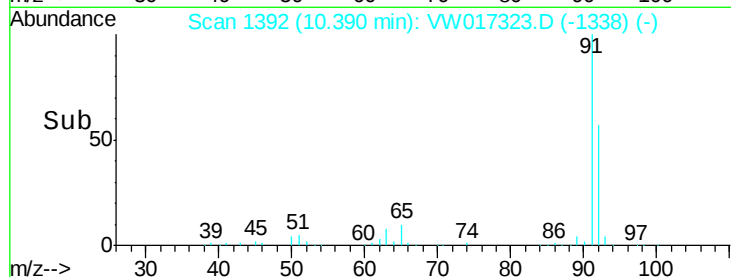
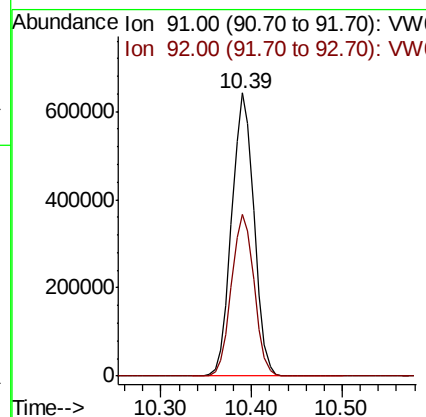
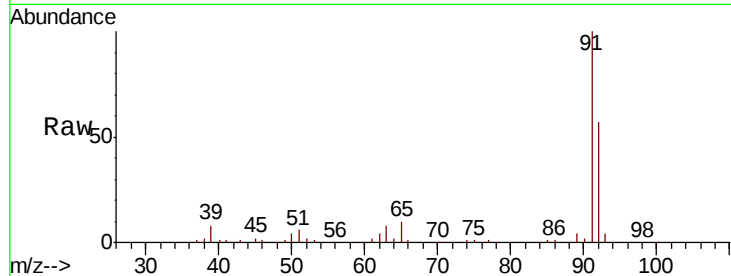
VSTD05002

Tot Ion: 91 Resp: 1096322

Ion Ratio Lower Upper

91 100

92 57.1 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 52.587 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017323.D

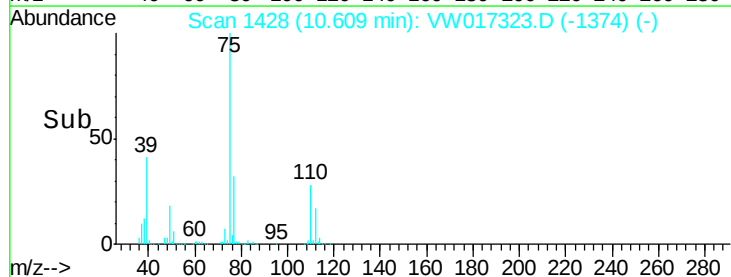
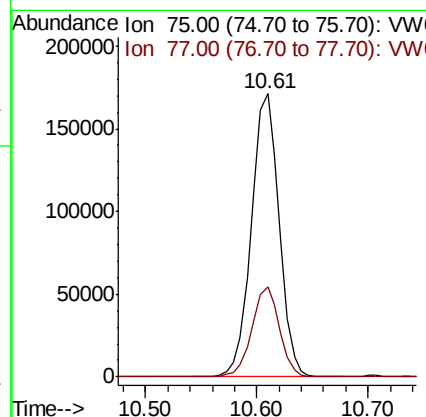
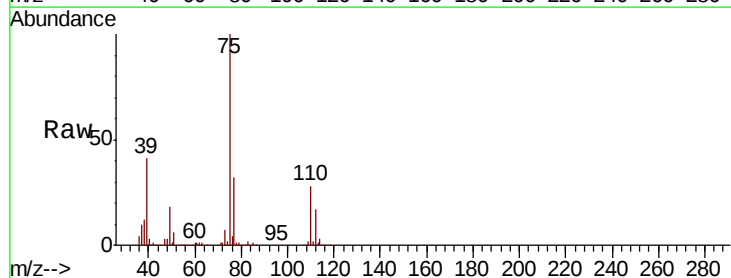
Acq: 18 Nov 2020 12:32

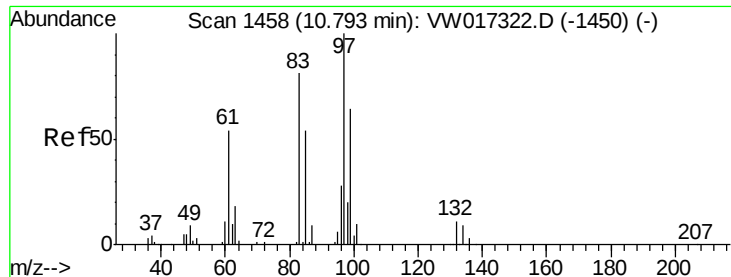
Tgt Ion: 75 Resp: 297347

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8

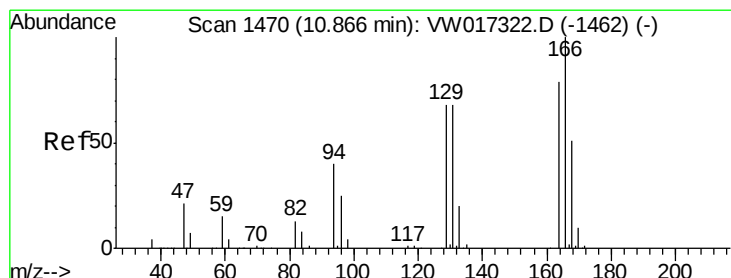
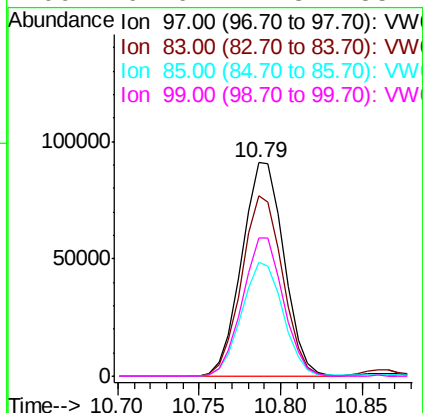
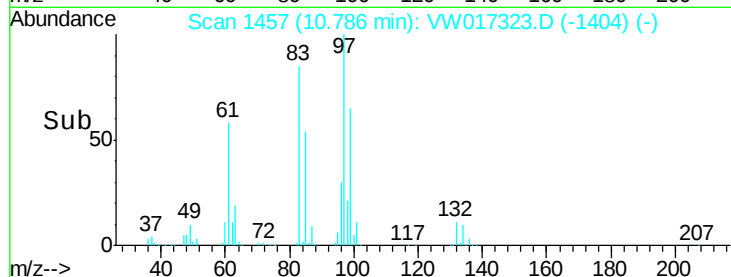
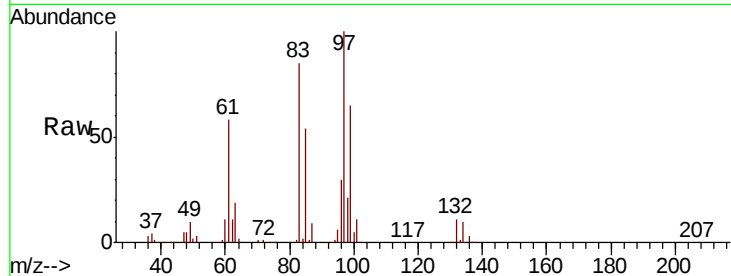




#46
 1,1,2-Trichloroethane
 Concen: 46.375 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

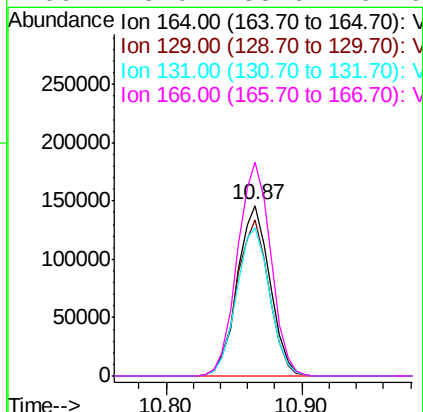
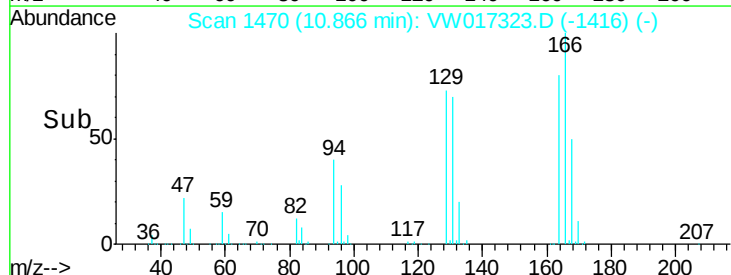
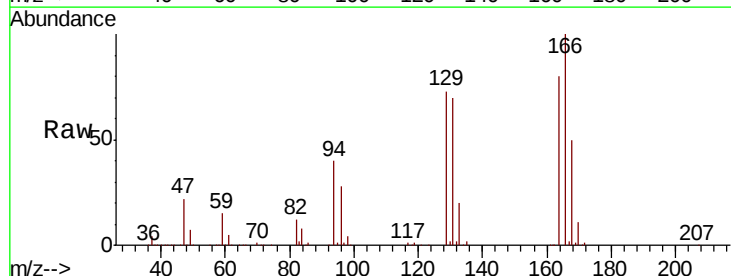
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

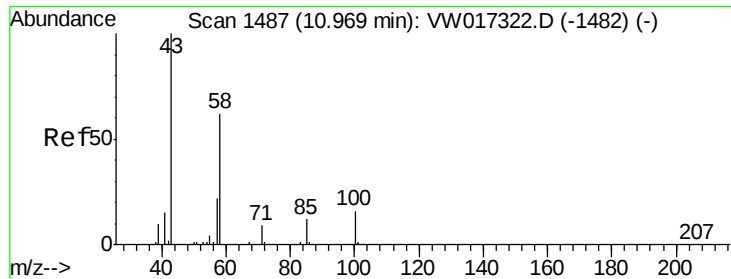
Tot Ion:	97	Resp:	164226
Ion	Ratio	Lower	Upper
97	100		
83	84.7	56.6	105.2
85	53.5	37.7	69.9
99	64.6	44.8	83.2



#47
 Tetrachloroethene
 Concen: 52.831 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

Tgt Ion:	164	Resp:	245031
Ion	Ratio	Lower	Upper
164	100		
129	91.4	60.6	112.6
131	87.2	60.4	112.2
166	125.0	88.6	164.6

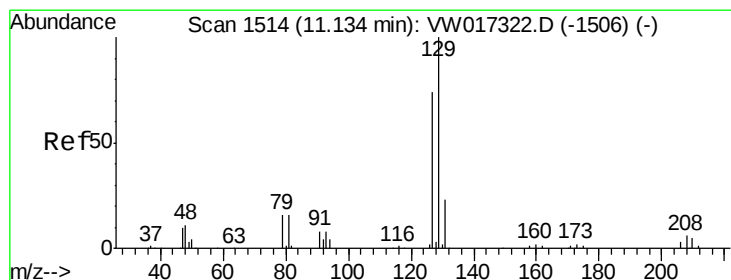
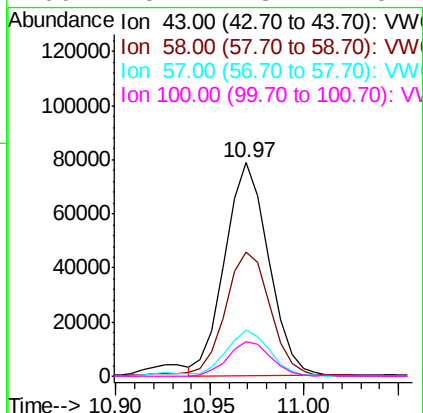
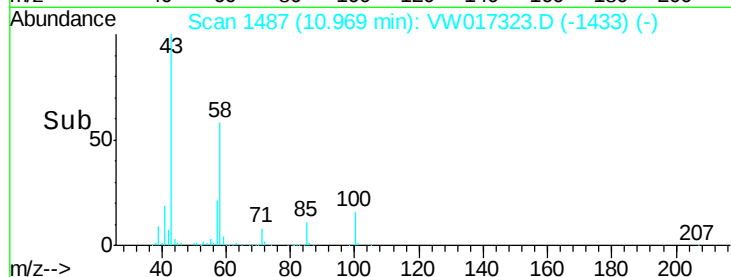
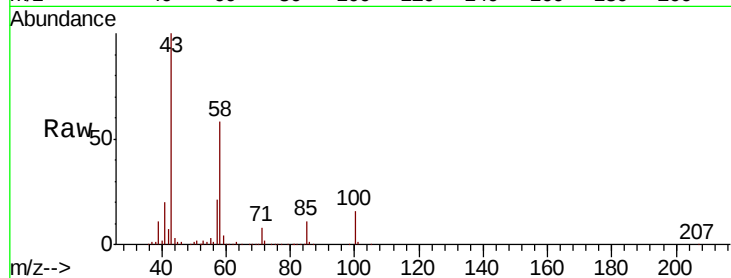




#49
2-Hexanone
Concen: 85.859 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

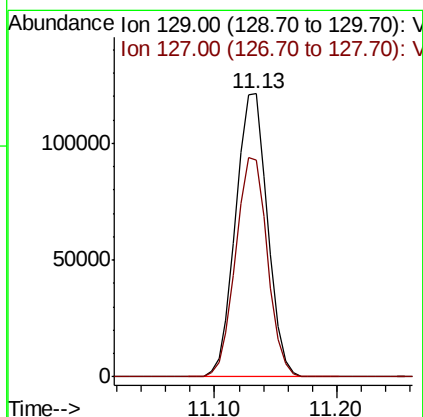
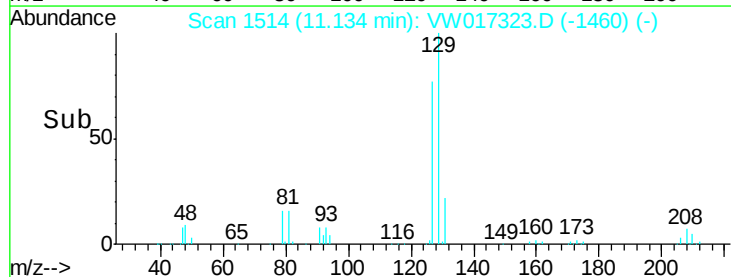
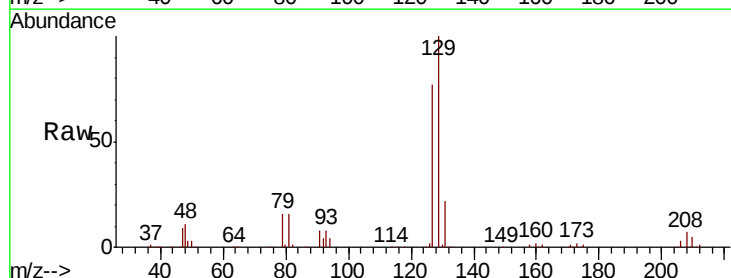
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

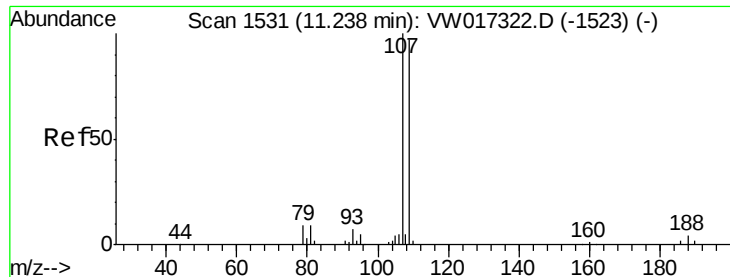
Tot Ion: 43 Resp: 127139
Ion Ratio Lower Upper
43 100
58 61.5 49.4 74.0
57 21.5 17.0 25.4
100 16.2 13.1 19.7



#50
Dibromochloromethane
Concen: 50.194 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion: 129 Resp: 219165
Ion Ratio Lower Upper
129 100
127 76.7 51.8 96.2

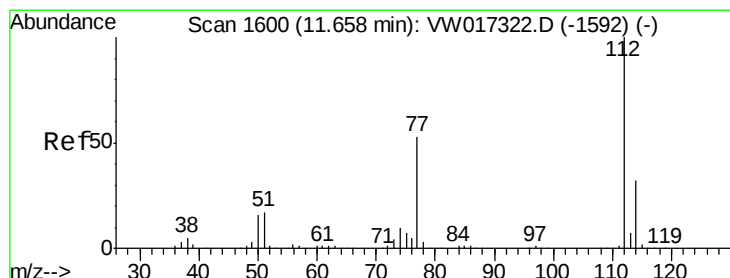
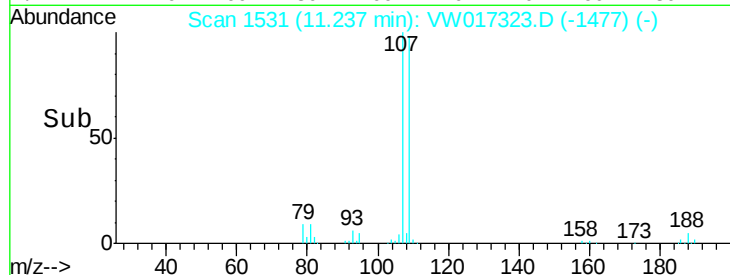
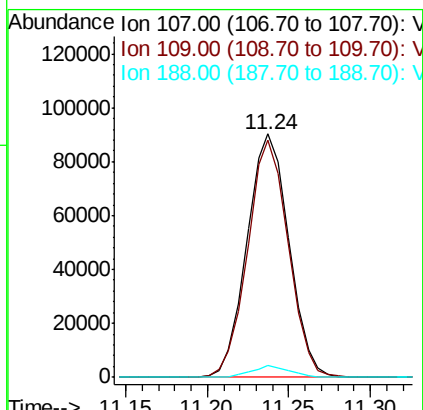
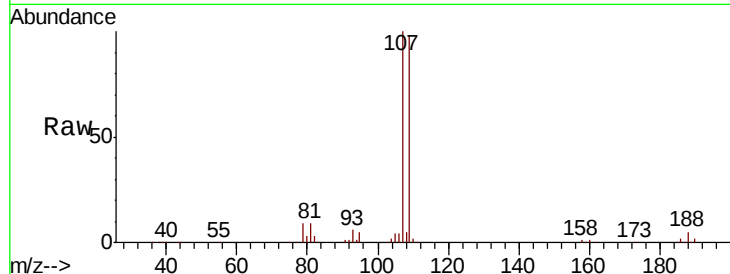




#51
1,2-Dibromoethane
Concen: 46.834 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

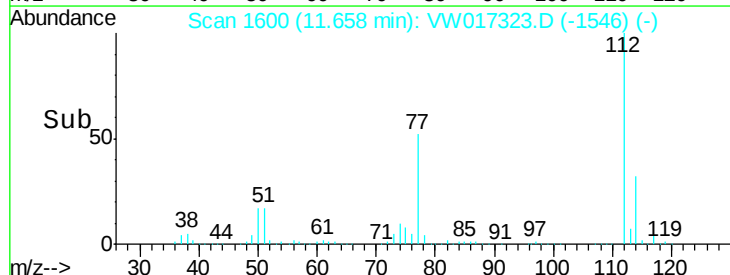
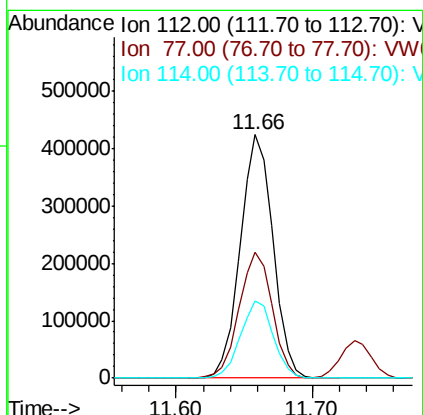
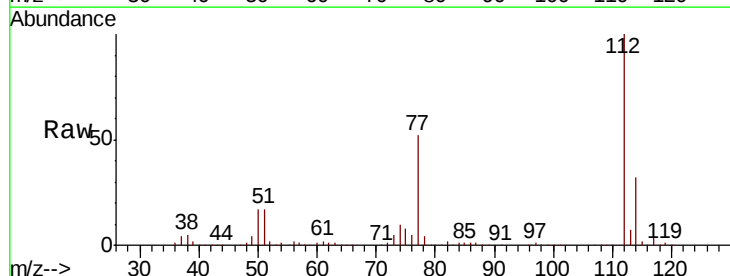
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

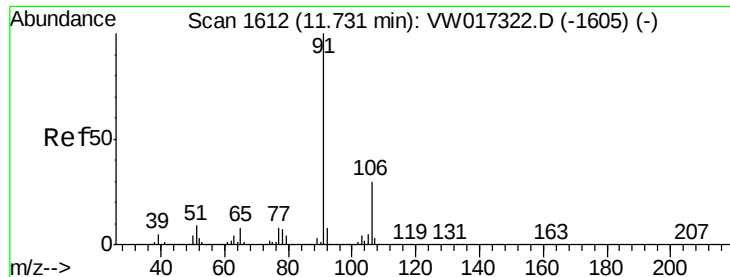
Tot Ion:107 Resp: 160661
Ion Ratio Lower Upper
107 100
109 97.7 68.2 126.6
188 4.7 3.3 4.9



#52
Chlorobenzene
Concen: 52.715 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion:112 Resp: 711325
Ion Ratio Lower Upper
112 100
77 51.8 42.2 63.4
114 31.6 22.1 41.1

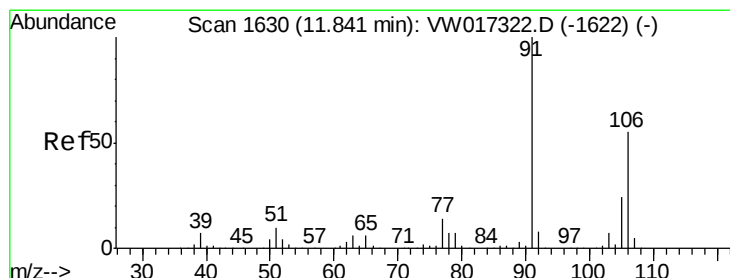
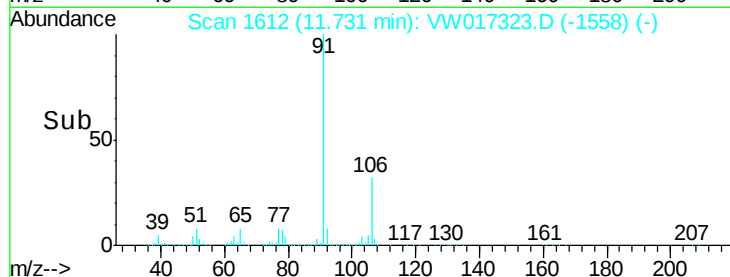
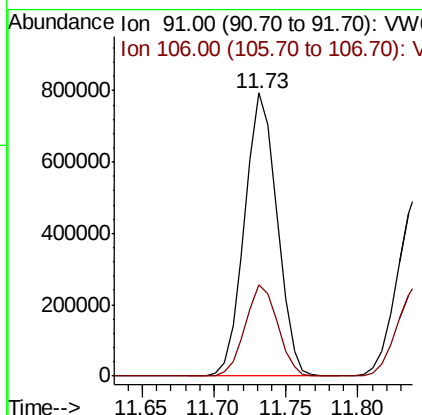
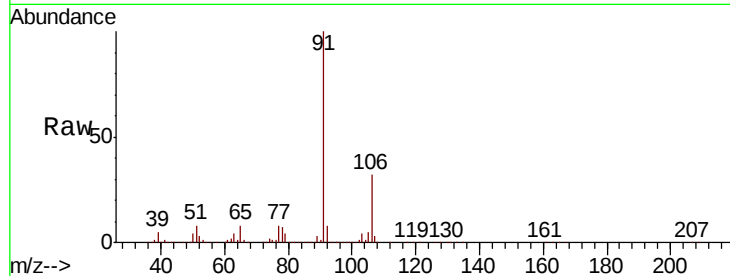




#53
Ethylbenzene
Concen: 55.212 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

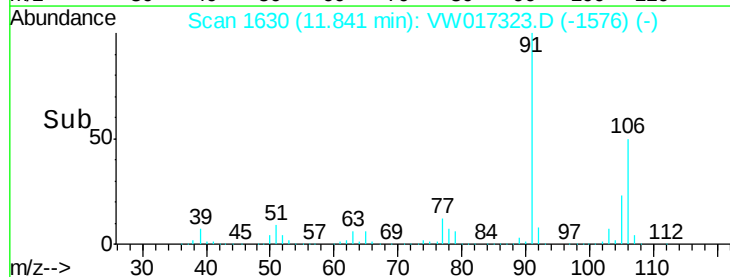
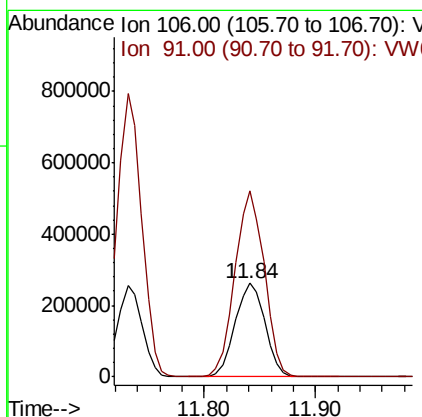
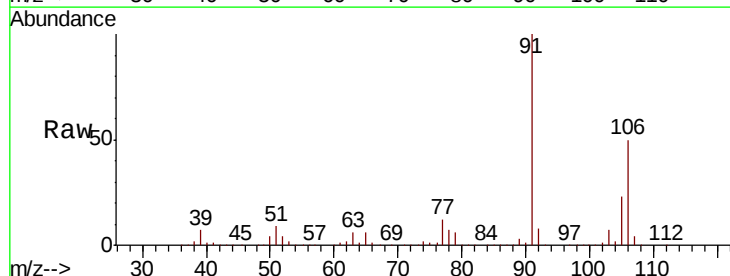
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

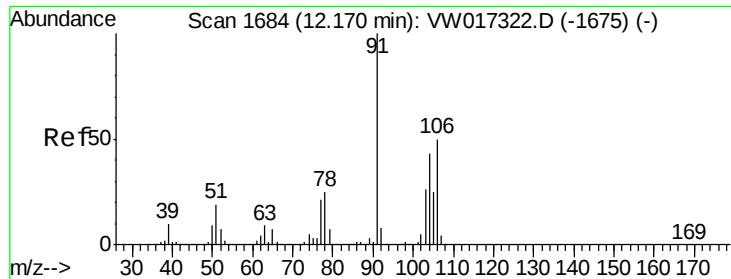
Tot Ion: 91 Resp: 1240672
Ion Ratio Lower Upper
91 100
106 32.4 20.8 38.6



#54
m,p-Xylene
Concen: 55.959 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion: 106 Resp: 488419
Ion Ratio Lower Upper
106 100
91 199.1 126.9 235.7

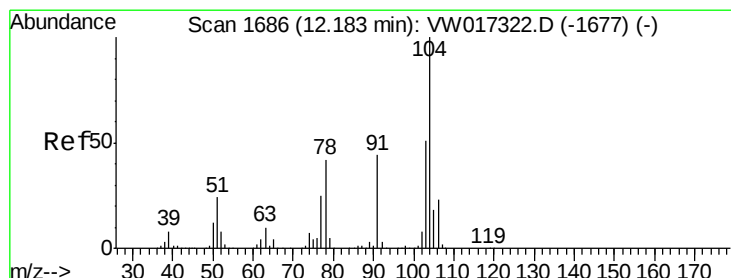
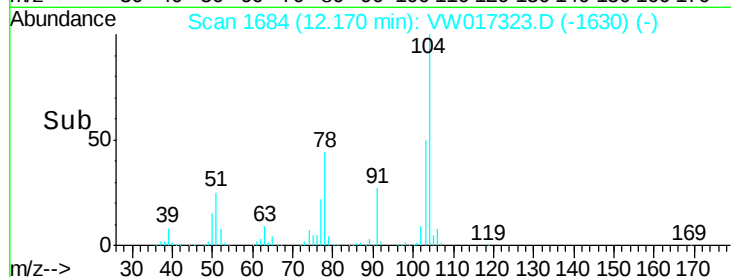
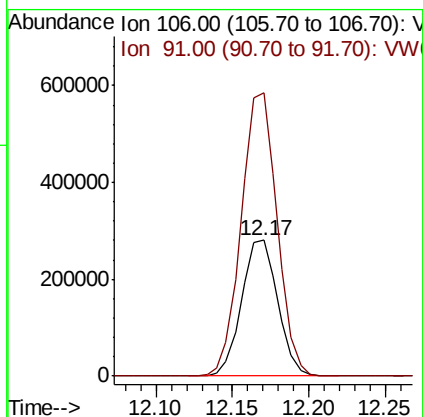
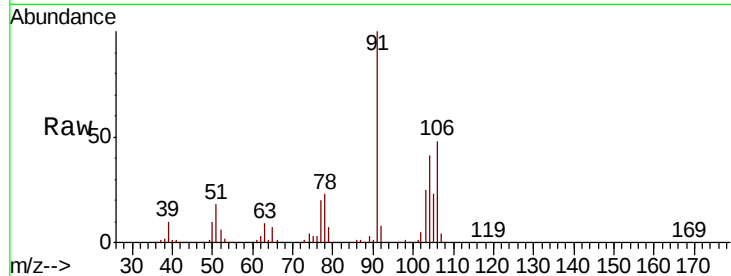




#55
o-xylene
Concen: 55.711 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

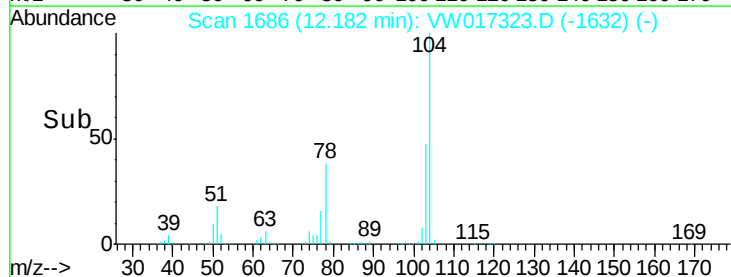
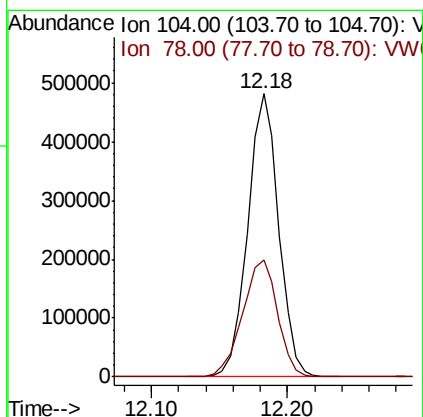
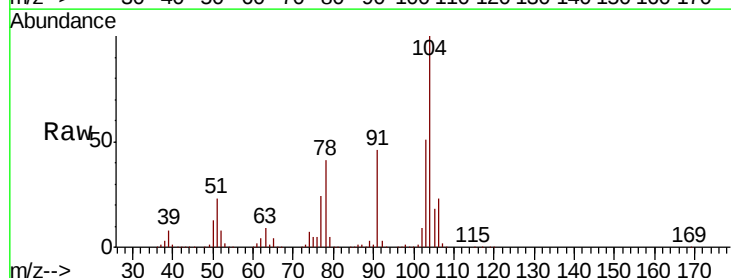
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

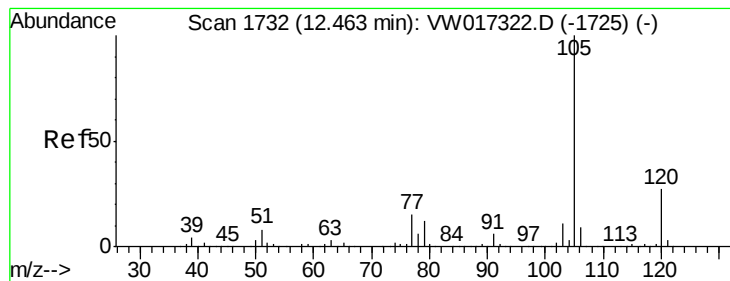
Tot Ion:106 Resp: 459934
Ion Ratio Lower Upper
106 100
91 208.0 139.5 259.1



#56
Styrene
Concen: 55.496 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017323.D
Acq: 18 Nov 2020 12:32

Tgt Ion:104 Resp: 766511
Ion Ratio Lower Upper
104 100
78 41.4 29.3 54.5





#57

Isopropylbenzene

Concen: 56.680 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

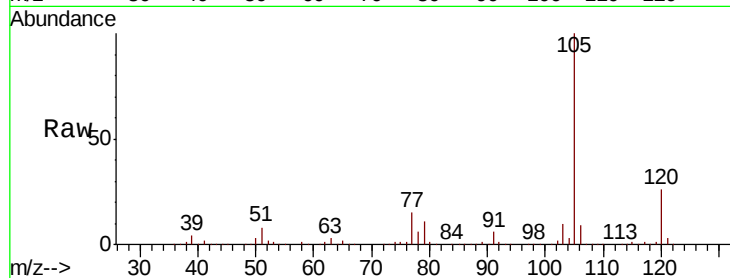
Tot Ion:105 Resp: 1274431

Ion Ratio Lower Upper

105 100

120 27.2 21.6 32.4

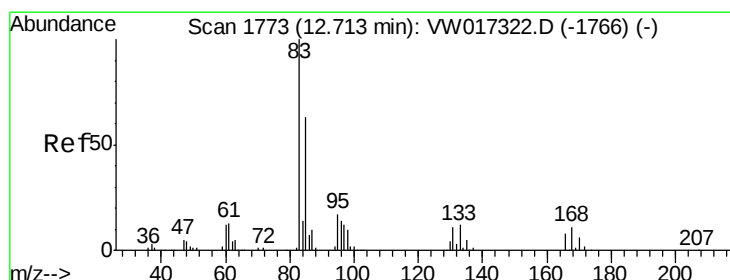
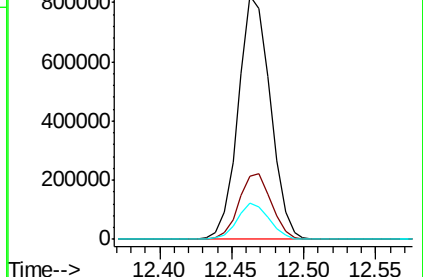
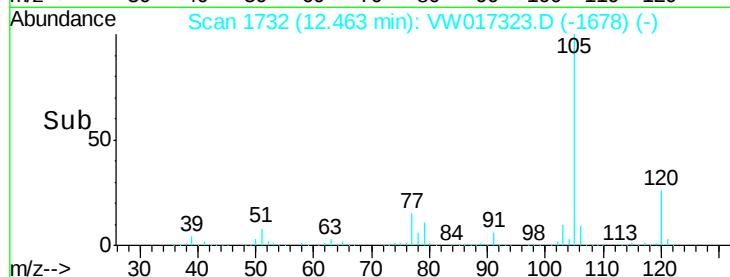
77 14.7 11.8 17.6



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: 44.134 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

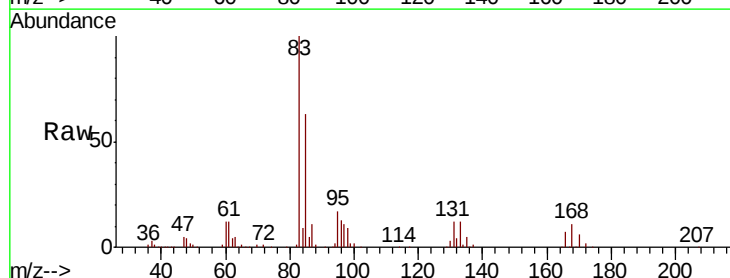
Tgt Ion: 83 Resp: 177059

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

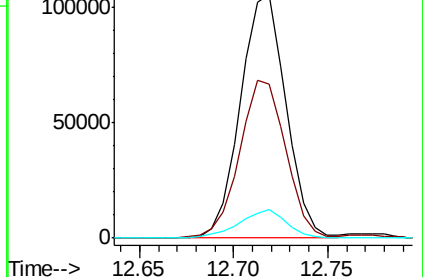
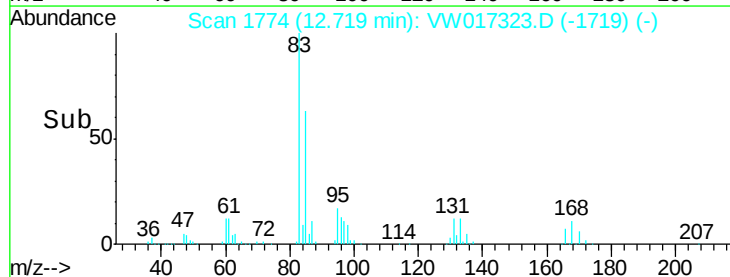
131 11.6 8.7 13.1

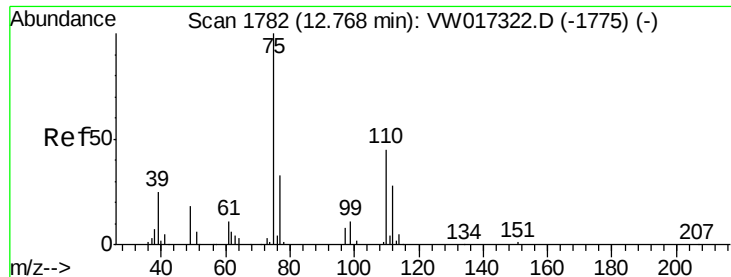


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 43.081 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

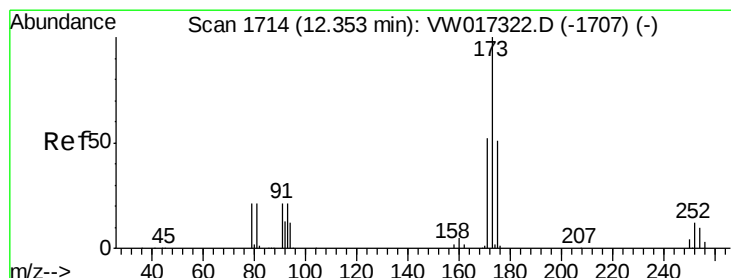
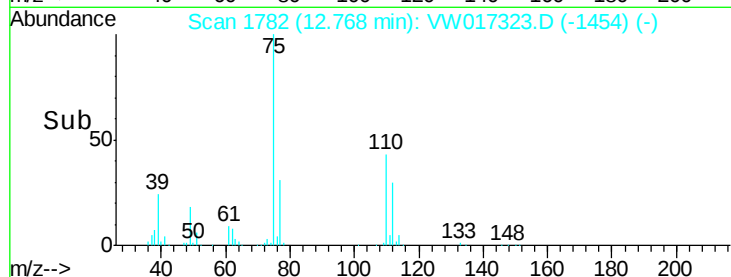
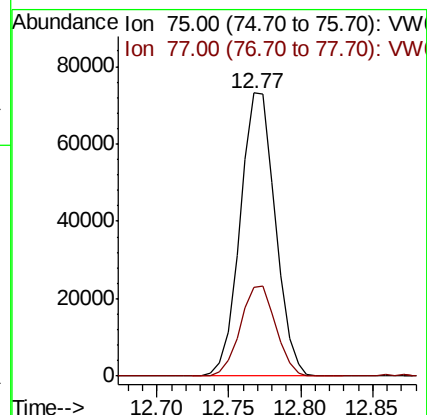
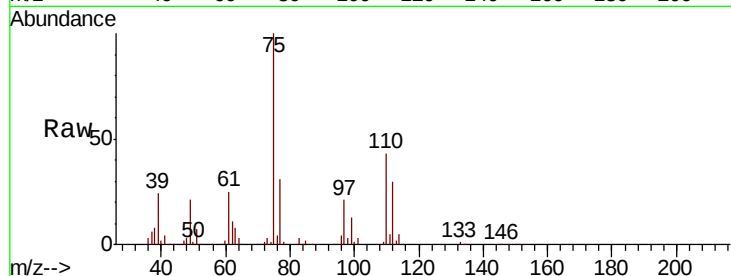
VSTD05002

Tot Ion: 75 Resp: 123939

Ion Ratio Lower Upper

75 100

77 32.3 26.6 40.0



#62

Bromoform

Concen: 46.716 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

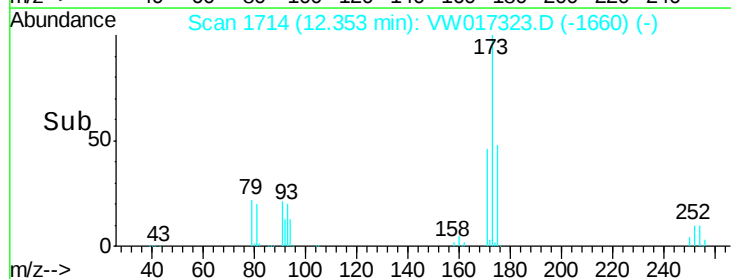
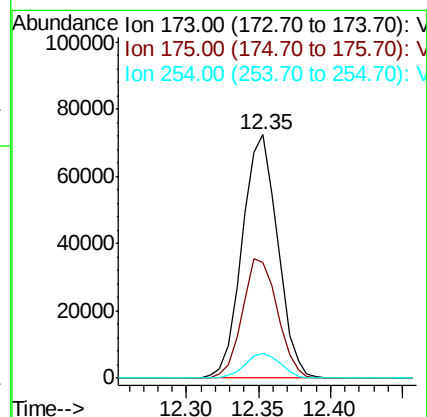
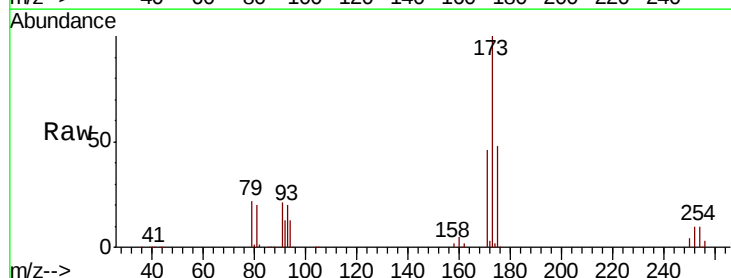
Tgt Ion: 173 Resp: 123472

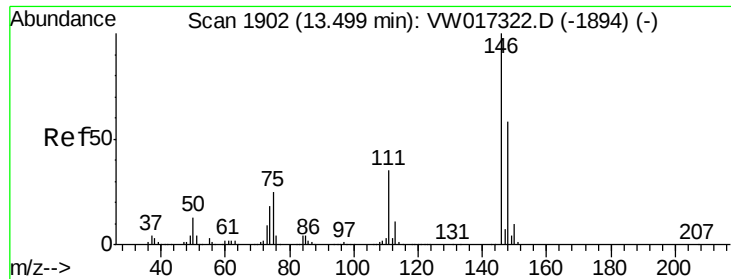
Ion Ratio Lower Upper

173 100

175 48.8 40.0 60.0

254 10.3 8.0 12.0

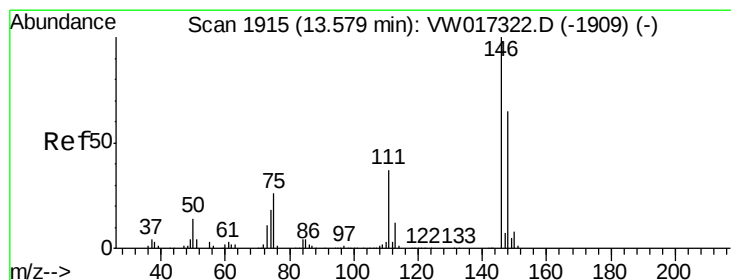
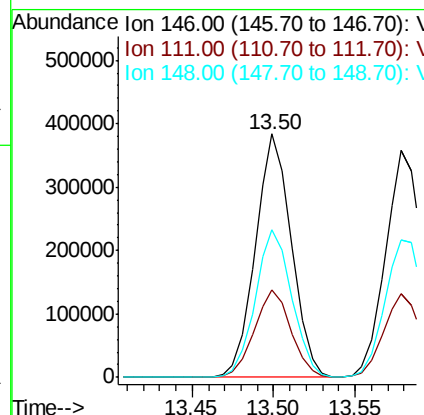
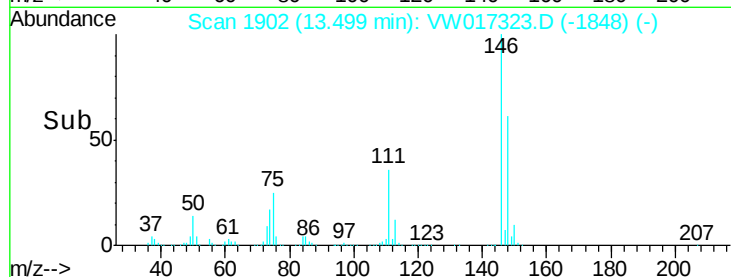
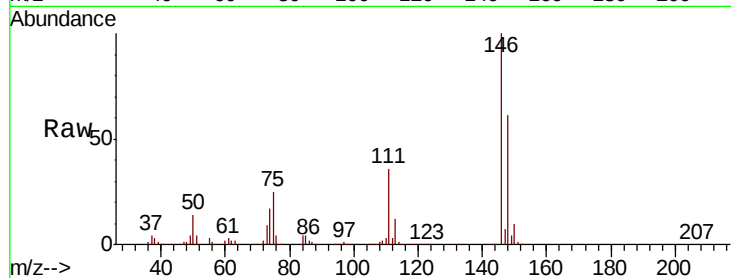




#63
 1,3-Dichlorobenzene
 Concen: 52.800 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

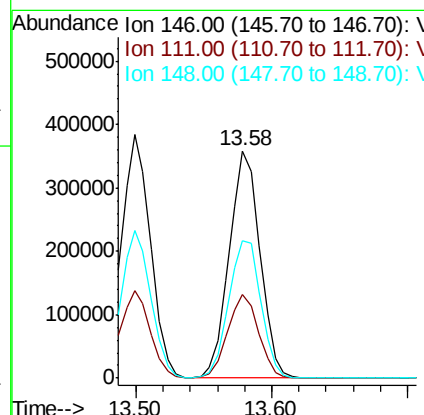
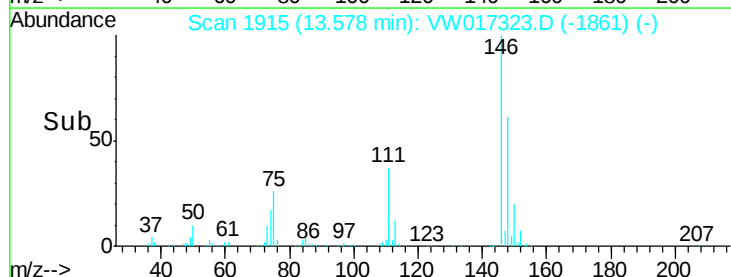
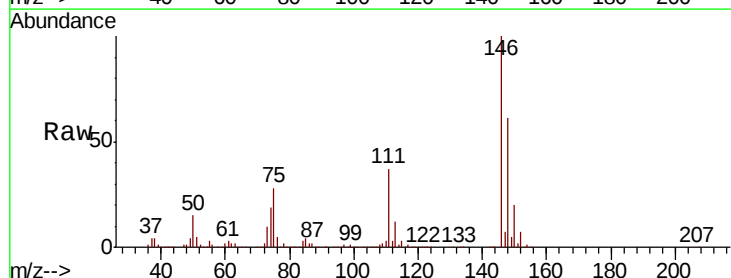
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

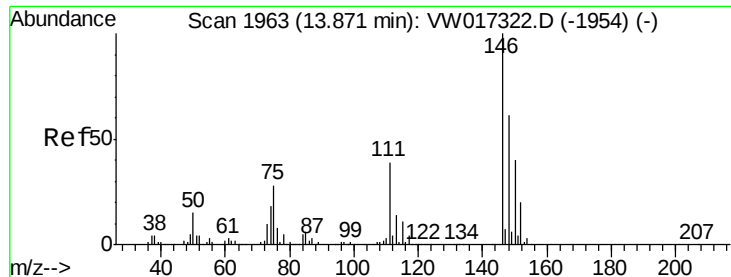
Tot Ion:146 Resp: 587843
 Ion Ratio Lower Upper
 146 100
 111 35.7 24.5 45.5
 148 60.9 40.4 75.0



#64
 1,4-Dichlorobenzene
 Concen: 50.585 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

Tgt Ion:146 Resp: 563696
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.2 48.8
 148 60.8 45.2 84.0

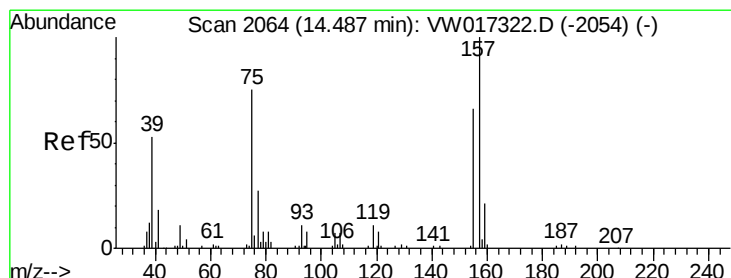
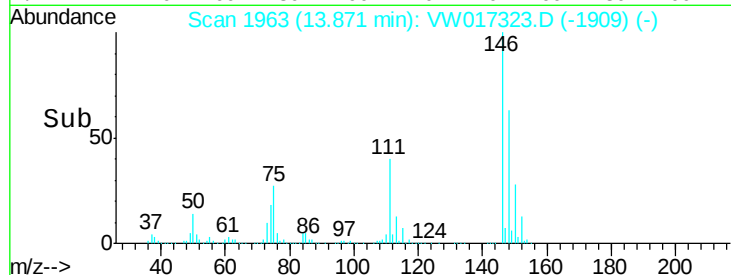
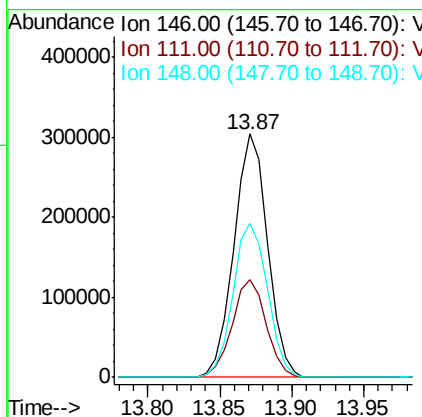
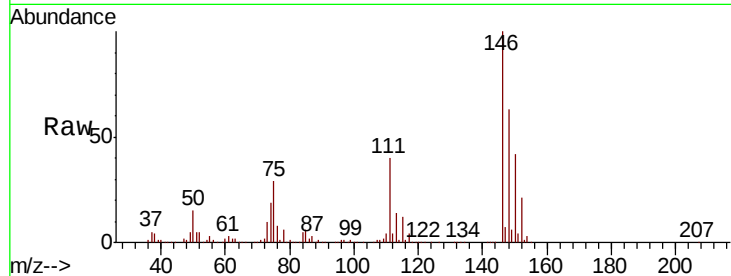




#65
 1,2-Dichlorobenzene
 Concen: 49.998 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

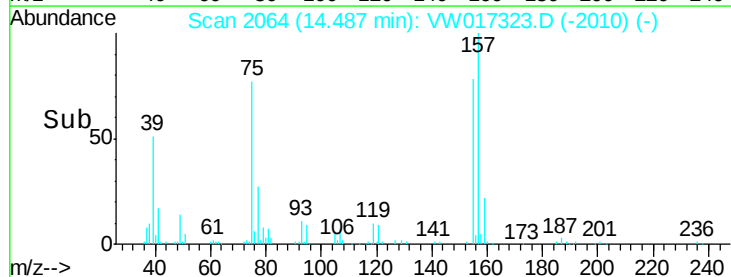
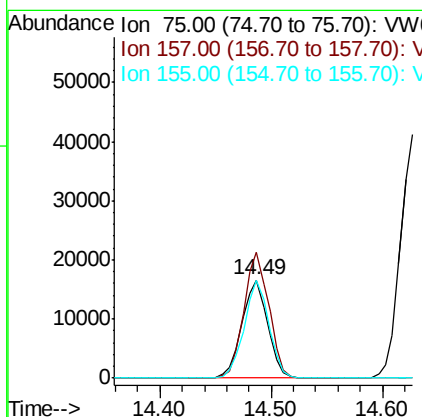
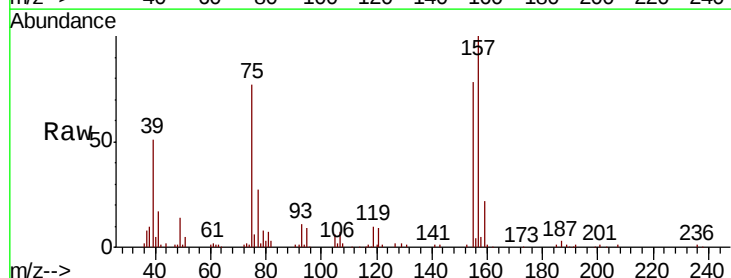
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

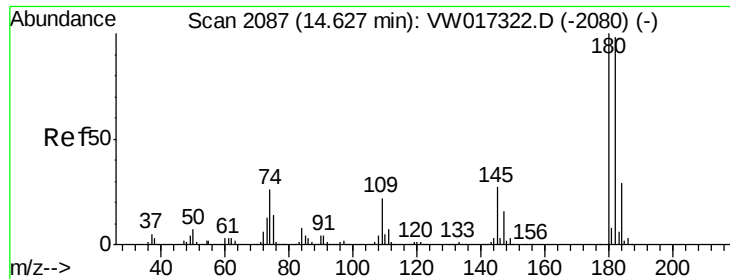
Tot Ion:146 Resp: 493242
 Ion Ratio Lower Upper
 146 100
 111 40.3 30.8 46.2
 148 63.1 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.167 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

Tgt Ion: 75 Resp: 26459
 Ion Ratio Lower Upper
 75 100
 157 129.3 106.7 160.1
 155 100.4 70.6 106.0

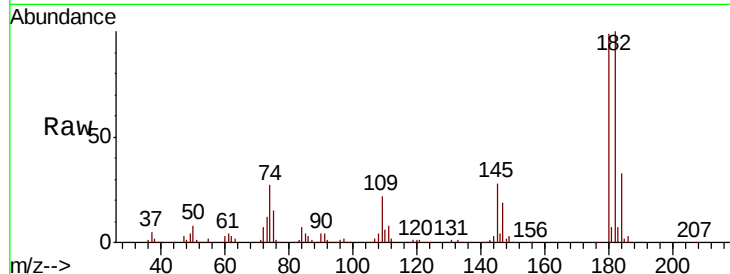




#67
 1,3,5-Trichlorobenzene
 Concen: 53.582 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
184	30.0	23.9	35.9
145	28.0	22.6	33.8



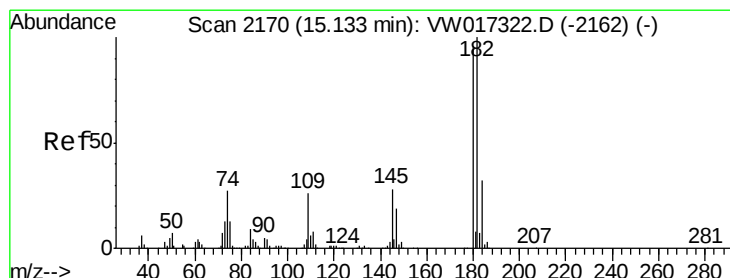
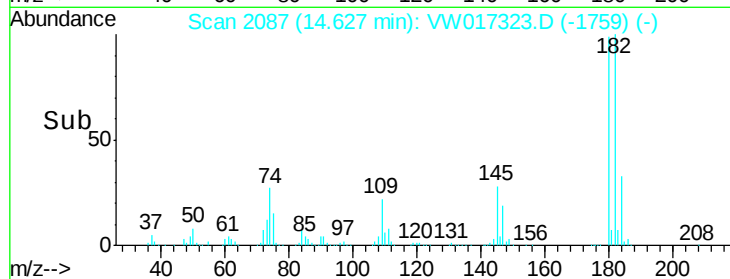
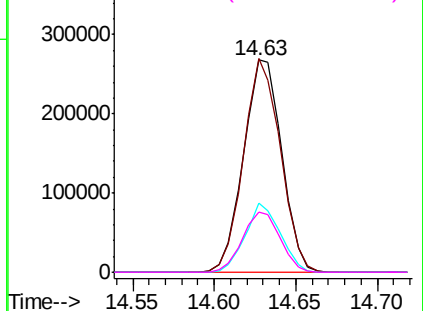
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

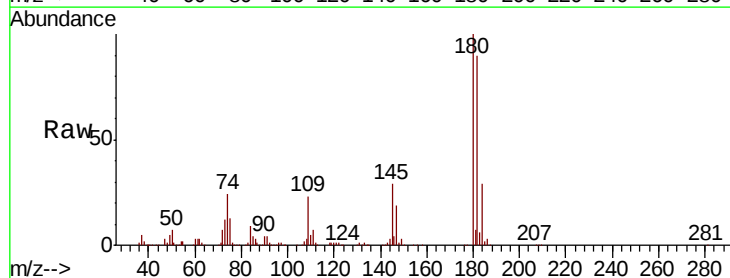
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.110 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017323.D
 Acq: 18 Nov 2020 12:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	77.0	115.6
145	28.7	22.9	34.3

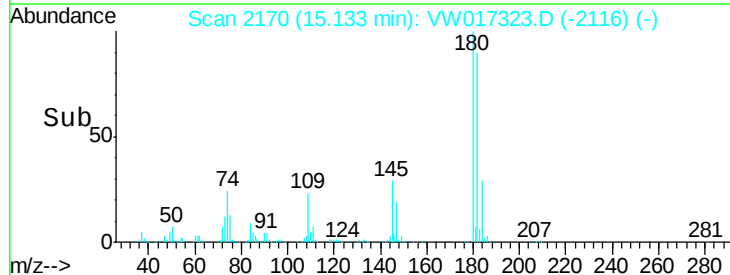
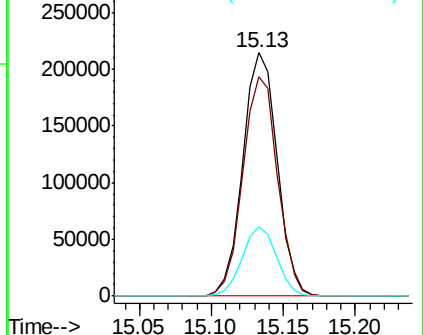


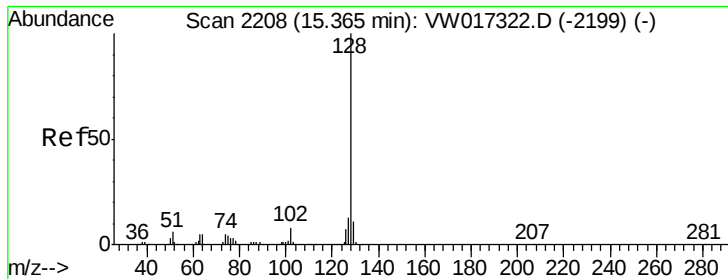
Abundance

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





#69

Naphthalene

Concen: 44.420 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

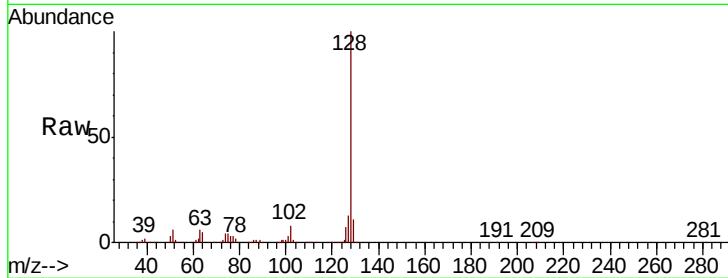
Tot Ion:128 Resp: 495576

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

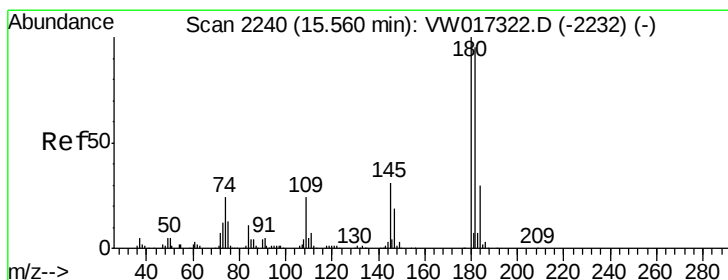
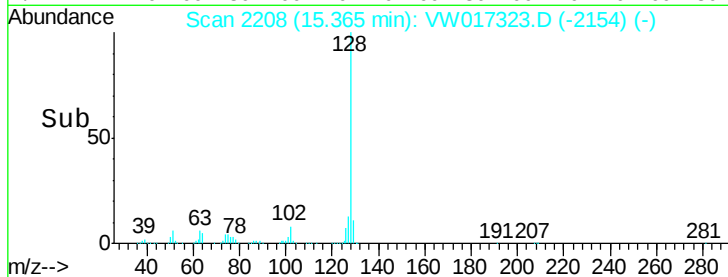
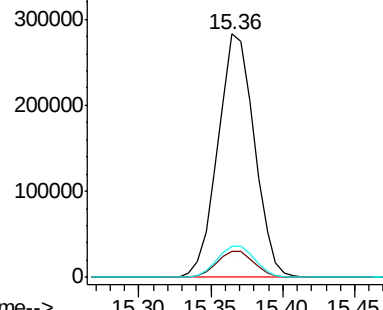
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.100 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017323.D

Acq: 18 Nov 2020 12:32

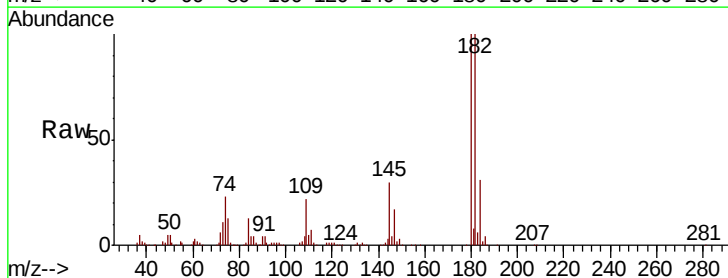
Tgt Ion:180 Resp: 289380

Ion Ratio Lower Upper

180 100

182 98.1 78.6 118.0

145 31.1 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

