

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
 Data File : VW017029.D
 Acq On : 29 Oct 2020 17:29
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 30 02:57:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 01:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	451237	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	430250	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	216795	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	112608	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.89	69	95617	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
10) 1,1-Dichloroethene-d2	4.03	63	237156	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.64%
20) 2-Butanone-d5	7.08	46	66474	67.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.52%#
24) Chloroform-d	7.65	84	268143	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	128980	26.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.32%
29) Benzene-d6	8.27	84	522426	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	9.27	67	149080	24.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.96%
37) Toluene-d8	10.33	98	502310	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloropropene-	10.58	79	64810	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.40%
39) 2-Hexanone-d5	10.93	63	56525	67.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132187	29.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	201392	26.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	133900	26.016	ug/L 100
3) Chloromethane	2.21	50	109877	24.734	ug/L 100
5) Vinyl chloride	2.37	62	168083	25.832	ug/L 99
6) Bromomethane	2.78	94	113648	25.717	ug/L 99
8) Chloroethane	2.93	64	99107	26.467	ug/L 97
9) Trichlorofluoromethane	3.26	101	125443	24.307	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	166352	26.744	ug/L 98
12) 1,1-Dichloroethene	4.04	96	154109	26.090	ug/L 97
13) Acetone	4.12	43	41020	62.140	ug/L 99
14) Carbon disulfide	4.39	76	437654	24.440	ug/L 100
15) Methyl Acetate	4.67	43	52450	30.433	ug/L 99
16) Methylene chloride	4.92	84	155393	26.046	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	173926	27.012	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	162371	26.283	ug/L 99
19) 1,1-Dichloroethane	6.22	63	251227	26.554	ug/L 99
21) 2-Butanone	7.18	43	69417	62.836	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	164033	26.263	ug/L 100

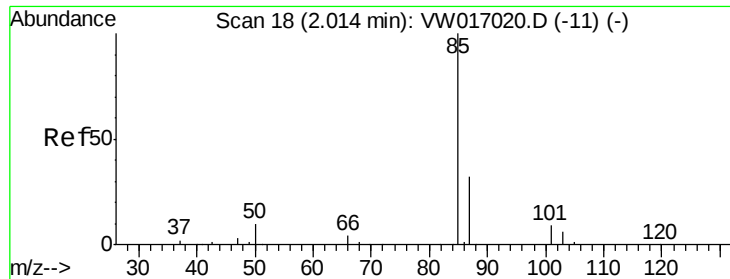
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
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 Operator : SY/VA
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 01:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	79476	27.565	ug/L	99
25) Chloroform	7.68	83	270423	26.850	ug/L	100
27) 1,2-Dichloroethane	8.40	62	158861	27.698	ug/L	99
30) Cyclohexane	7.96	56	222873	24.763	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	232051	24.912	ug/L	99
32) Carbon tetrachloride	8.07	117	227278	25.420	ug/L	99
34) Benzene	8.33	78	597861	25.153	ug/L	100
35) Trichloroethene	9.09	95	165896	25.202	ug/L	99
36) Methylcyclohexane	9.34	83	278270	25.171	ug/L	98
40) 1,2-Dichloropropane	9.37	63	138589	26.109	ug/L	99
41) Bromodichloromethane	9.65	83	187659	26.047	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	218498	26.324	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	150671	59.881	ug/L	98
44) Toluene	10.39	91	662523	25.727	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	186330	27.099	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	116648	27.455	ug/L	97
47) Tetrachloroethene	10.87	164	154974	25.593	ug/L	95
49) 2-Hexanone	10.97	43	103888	64.785	ug/L	100
50) Dibromochloromethane	11.13	129	143589	27.742	ug/L	94
51) 1,2-Dibromoethane	11.24	107	113408	27.997	ug/L	96
52) Chlorobenzene	11.66	112	441954	25.673	ug/L	99
53) Ethylbenzene	11.73	91	750053	25.935	ug/L	100
54) m,p-Xylene	11.84	106	296079	26.023	ug/L	98
55) o-xylene	12.16	106	277880	26.365	ug/L	94
56) Styrene	12.18	104	472736	26.811	ug/L	97
57) Isopropylbenzene	12.46	105	761441	26.119	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	133152	29.198	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	96589	29.596	ug/L	100
62) Bromoform	12.35	173	84969	27.891	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	360738	25.788	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	362349	25.985	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	323243	26.195	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	20945	31.202	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	271652	26.532	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	223311	28.139	ug/L	99
69) Naphthalene	15.36	128	407982	31.694	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	197787	28.600	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 26.016 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

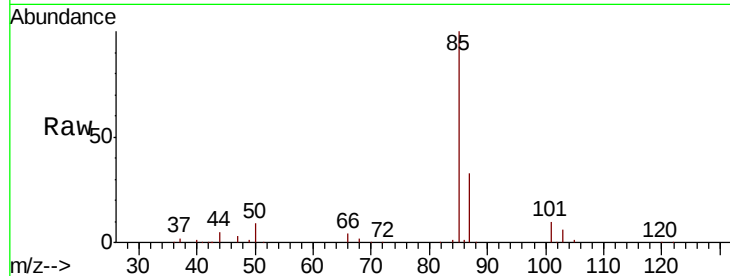
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 133900

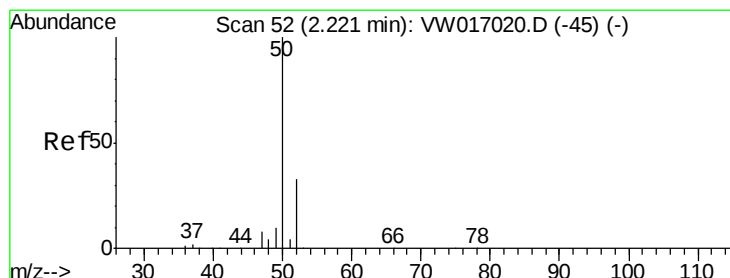
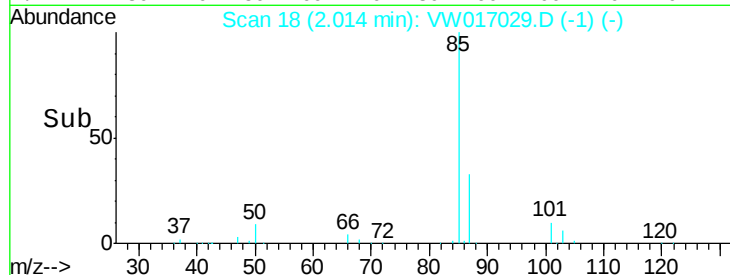
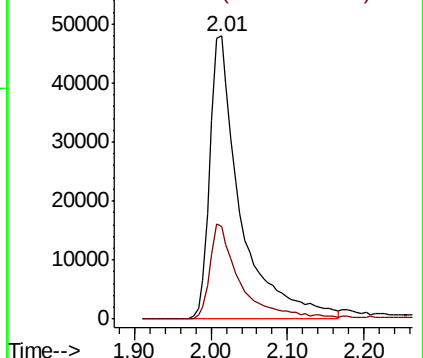
Ion Ratio Lower Upper

85 100

87 32.1 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.734 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017029.D

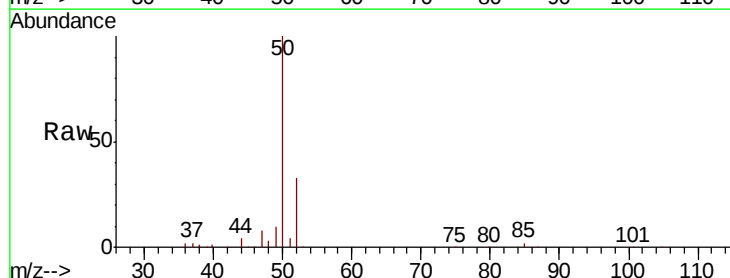
Acq: 29 Oct 2020 17:29

Tgt Ion: 50 Resp: 109877

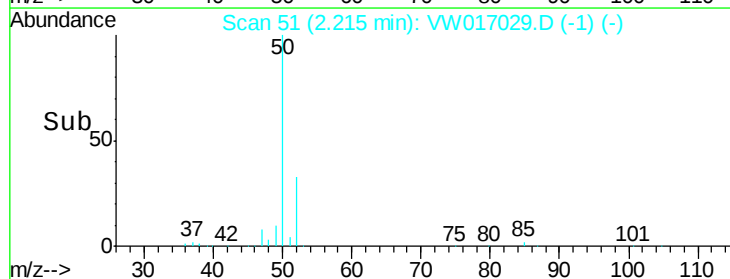
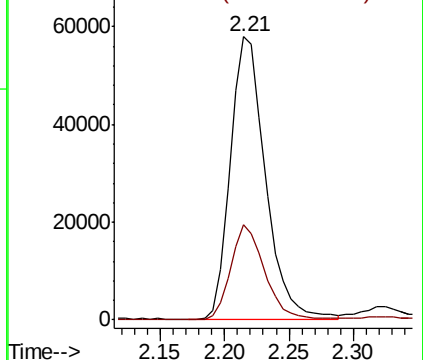
Ion Ratio Lower Upper

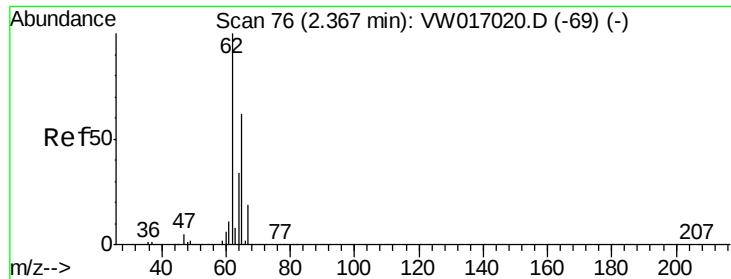
50 100

52 33.5 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.832 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

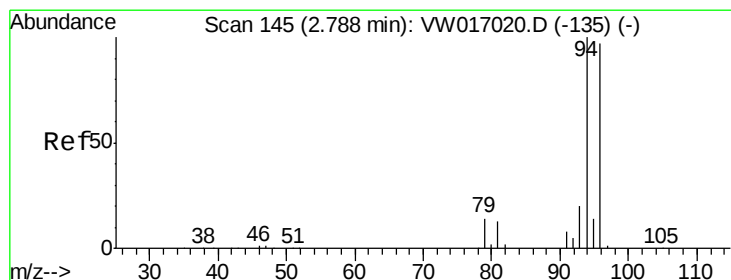
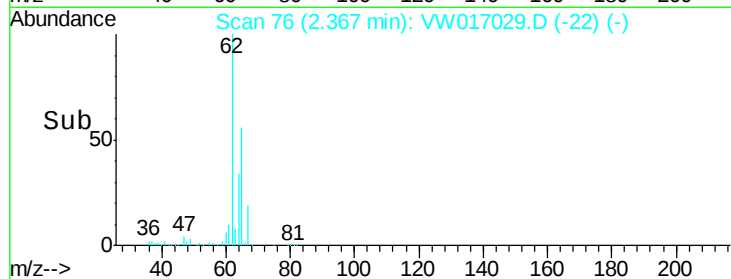
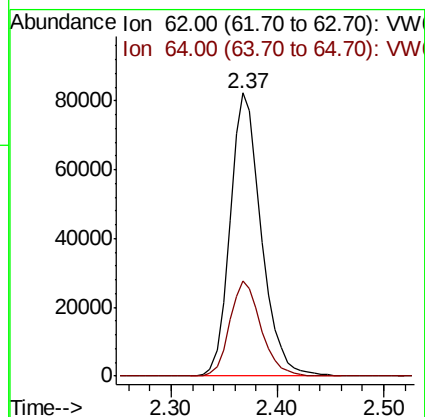
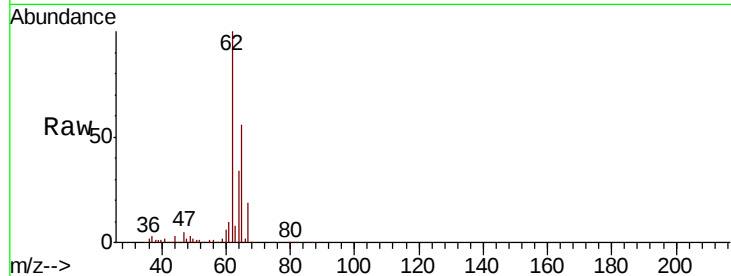
ClientSampled :

Tot Ion: 62 Resp: 168083

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.7



#6

Bromomethane

Concen: 25.717 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017029.D

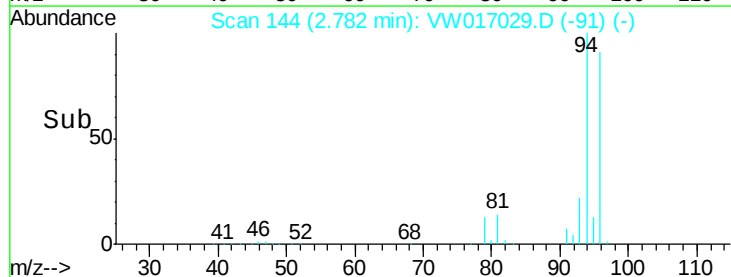
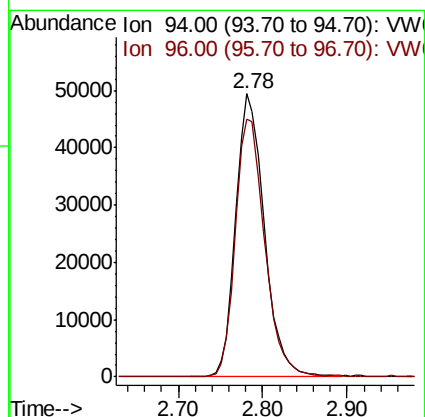
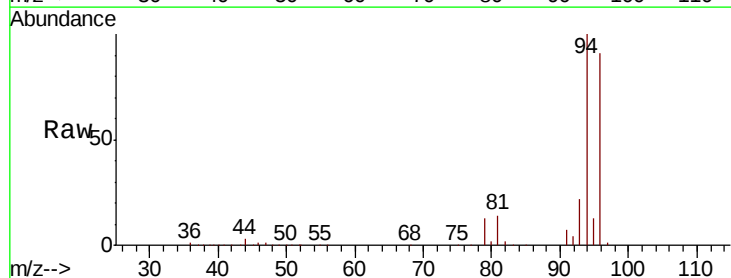
Acq: 29 Oct 2020 17:29

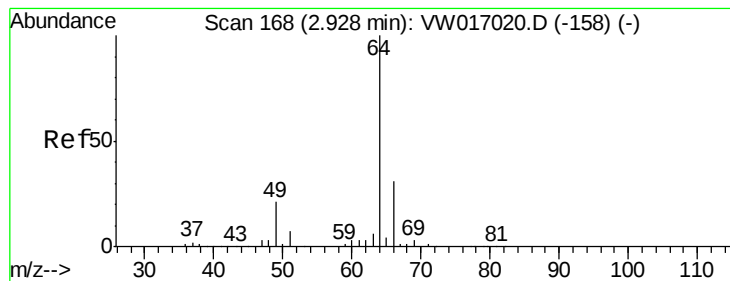
Tgt Ion: 94 Resp: 113648

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.8





#8

Chloroethane

Concen: 26.467 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

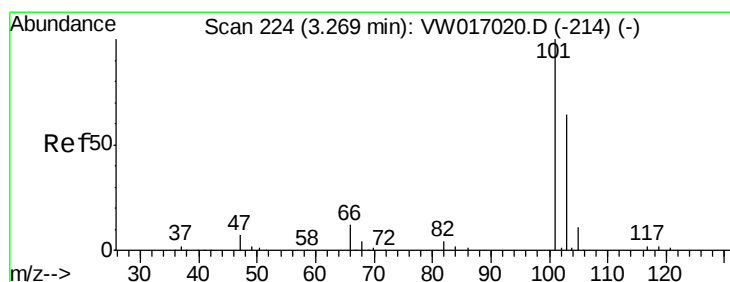
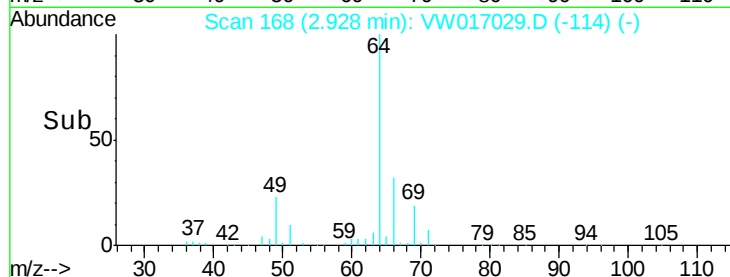
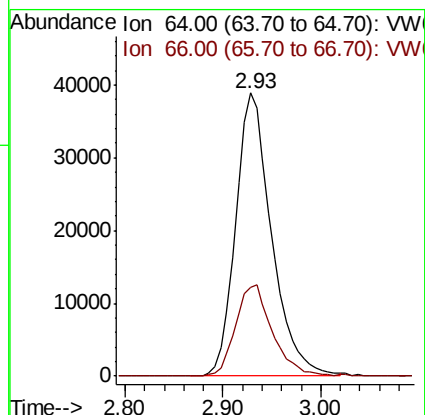
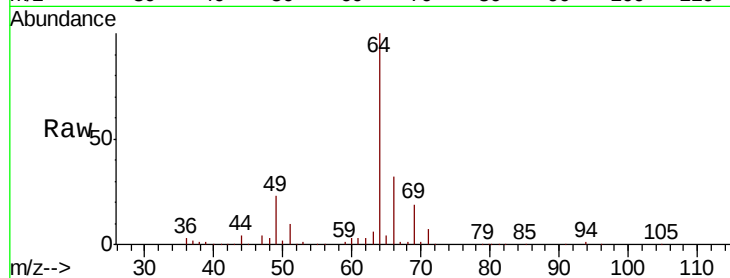
ClientSampled :

Tot Ion: 64 Resp: 99107

Ion Ratio Lower Upper

64 100

66 31.6 23.4 43.6



#9

Trichlorofluoromethane

Concen: 24.307 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017029.D

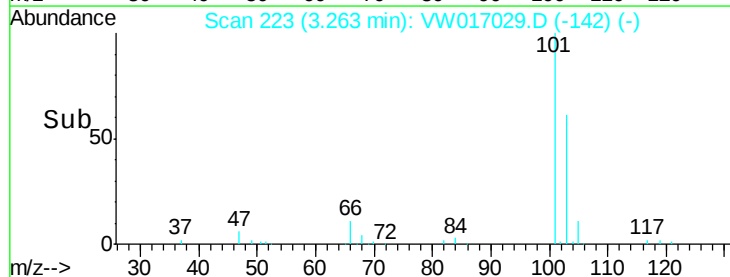
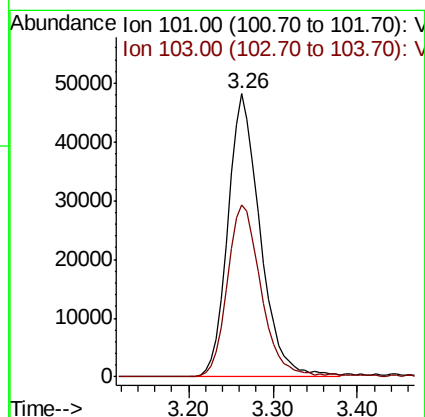
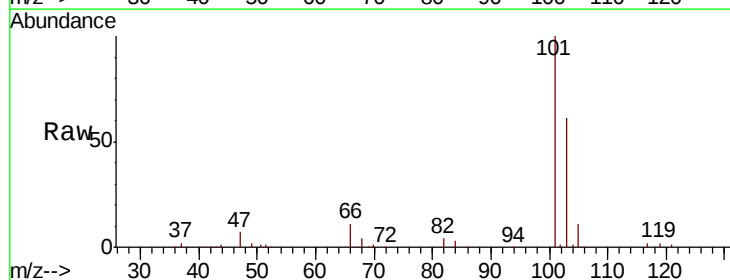
Acq: 29 Oct 2020 17:29

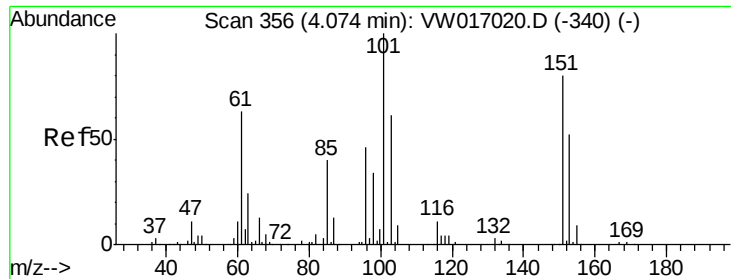
Tgt Ion: 101 Resp: 125443

Ion Ratio Lower Upper

101 100

103 63.4 44.9 83.5





#11

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

Concen: 26.744 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampled :

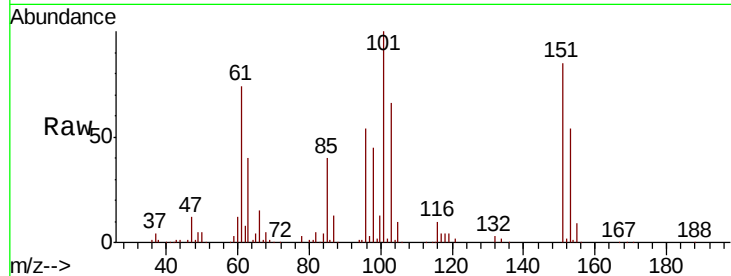
Tot Ion:101 Resp: 166352

Ion Ratio Lower Upper

101 100

85 39.7 32.5 48.7

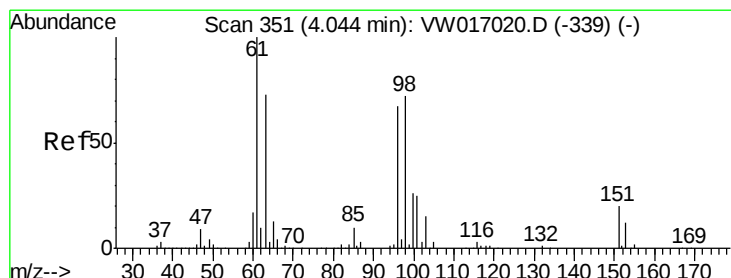
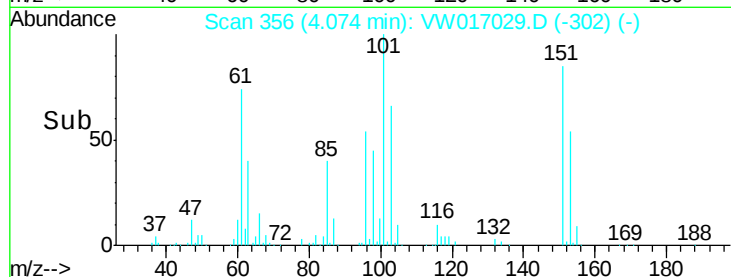
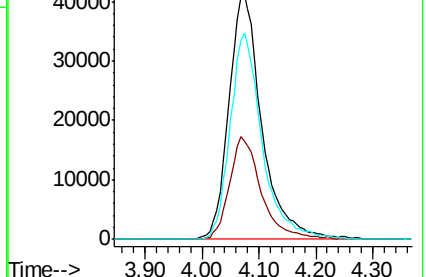
151 80.6 65.7 98.5



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: 26.090 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

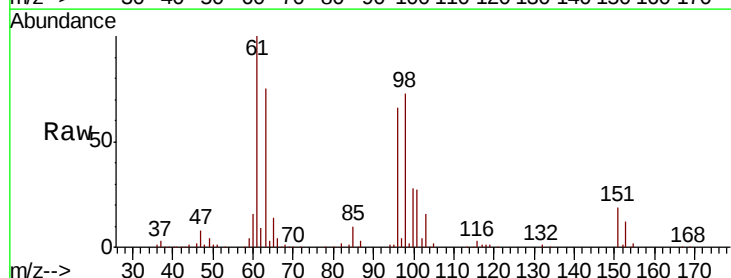
Tgt Ion: 96 Resp: 154109

Ion Ratio Lower Upper

96 100

61 150.8 101.4 188.4

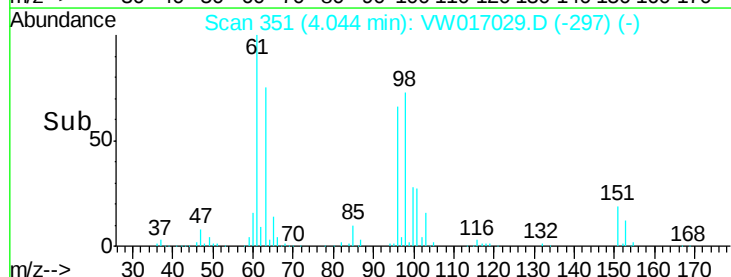
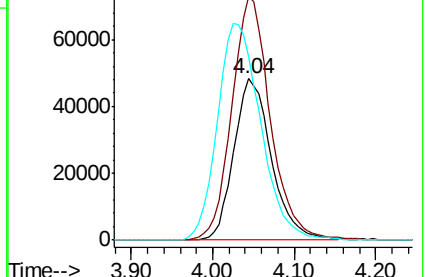
63 113.7 78.5 145.9

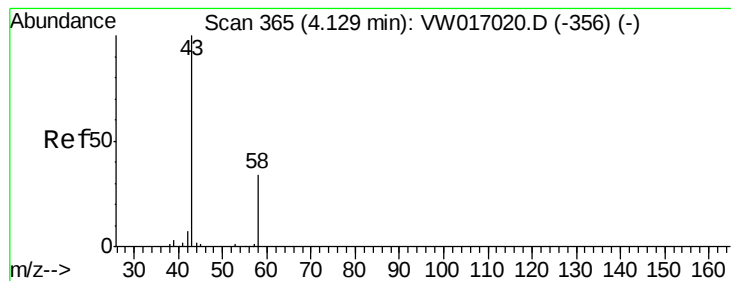


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 62.140 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

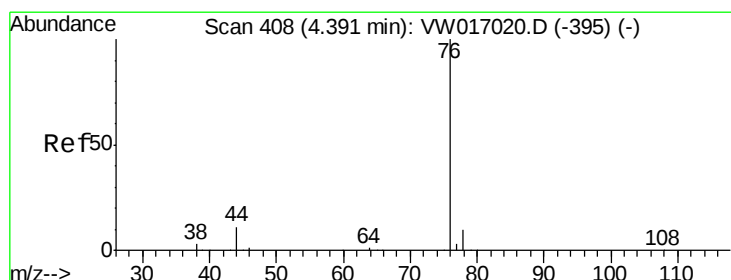
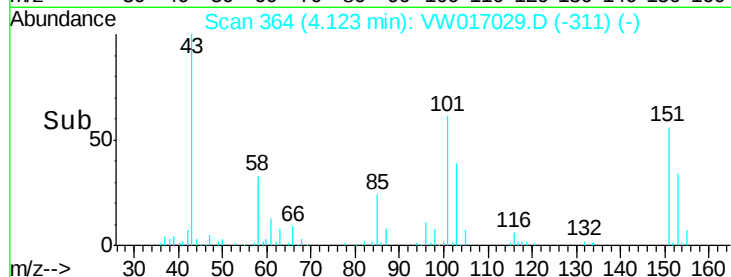
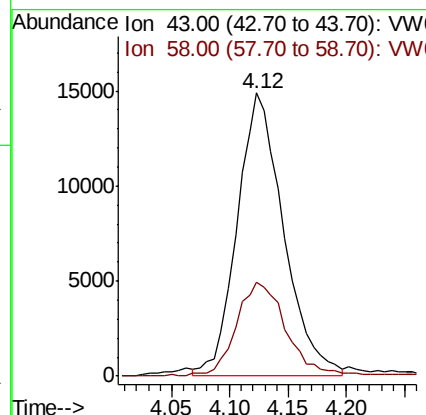
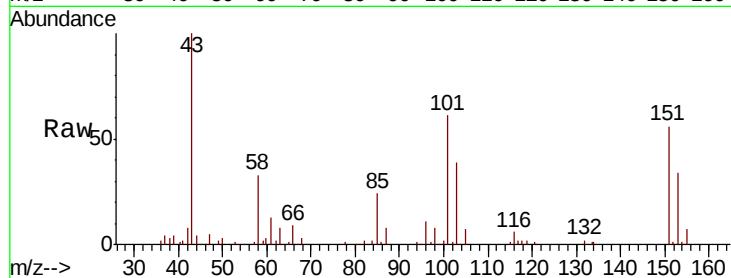
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 41020

Ion Ratio Lower Upper

43 100

58 34.4 0.0 69.8



#14

Carbon disulfide

Concen: 24.440 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017029.D

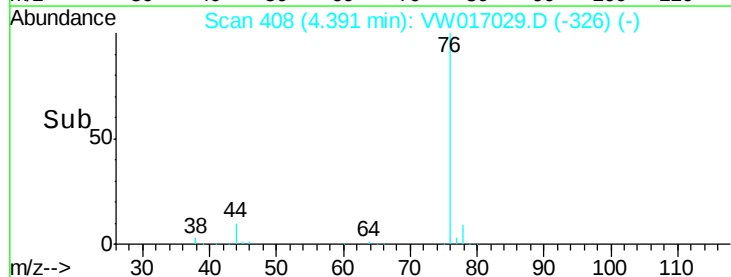
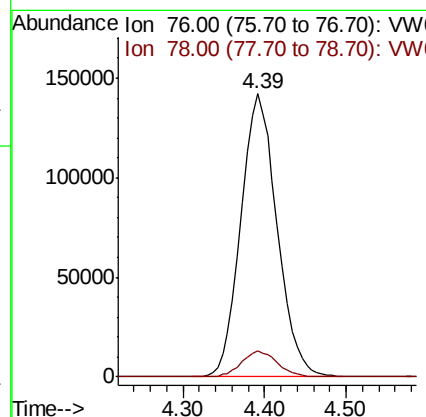
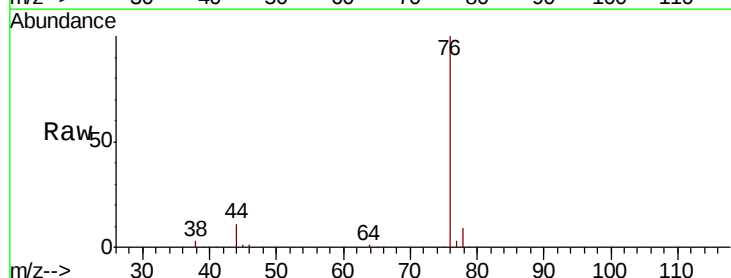
Acq: 29 Oct 2020 17:29

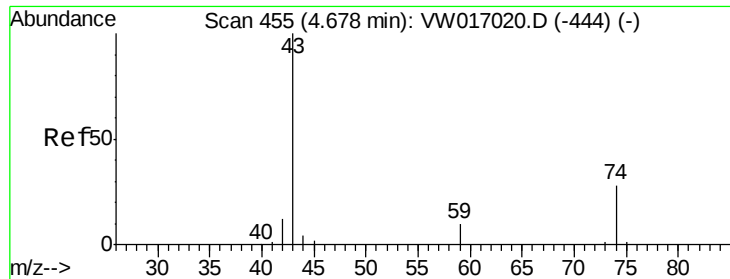
Tgt Ion: 76 Resp: 437654

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

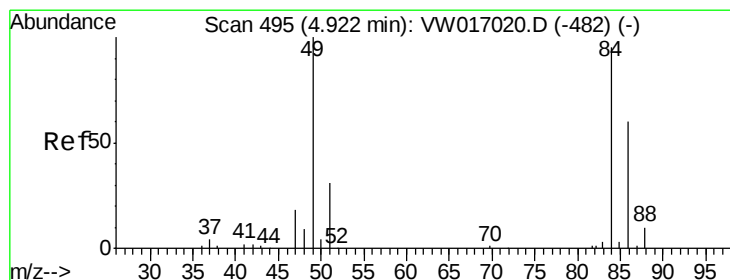
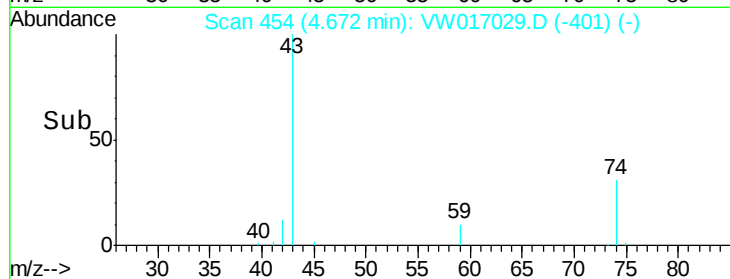
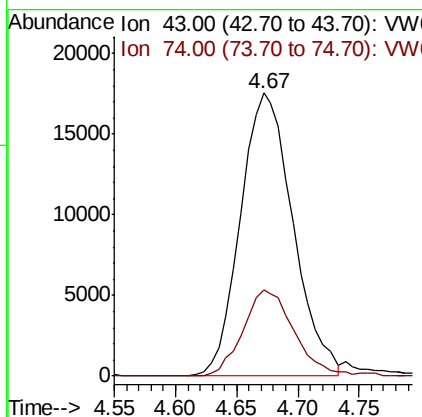
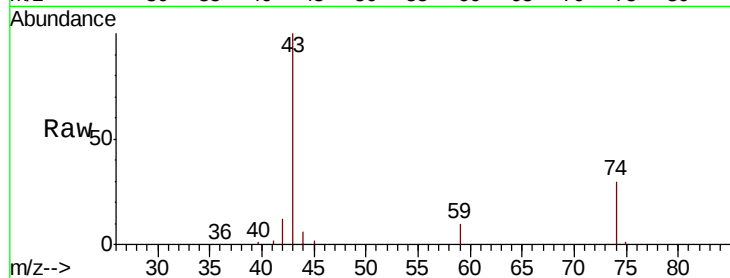




#15
Methvl Acetate
Concen: 30.433 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

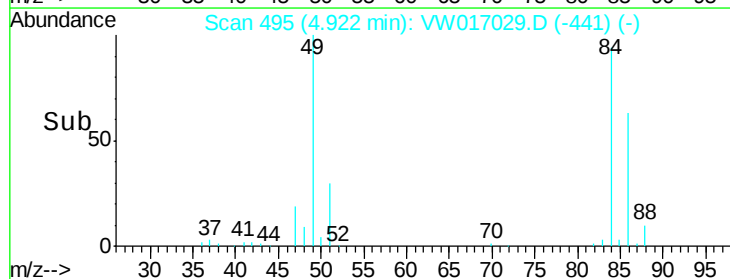
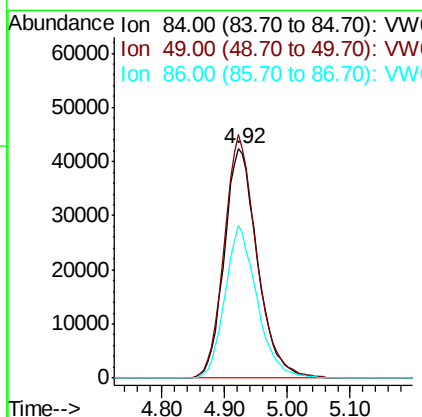
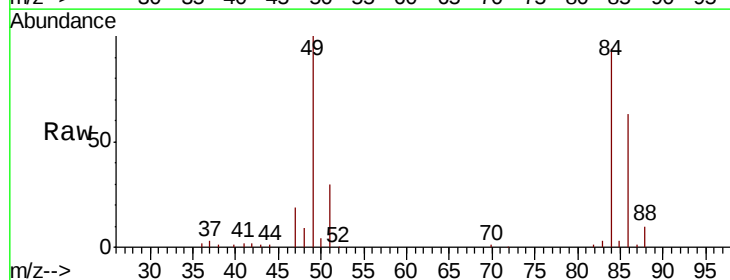
Instrument :
MSVOA_W
ClientSampled :

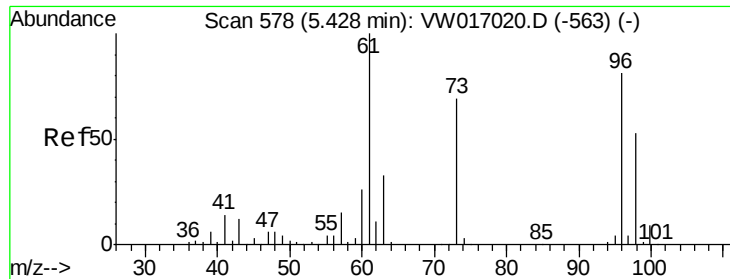
Tot Ion: 43 Resp: 52450
Ion Ratio Lower Upper
43 100
74 29.1 22.8 34.2



#16
Methylene chloride
Concen: 26.046 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion: 84 Resp: 155393
Ion Ratio Lower Upper
84 100
49 106.2 73.8 137.0
86 66.4 47.4 88.0

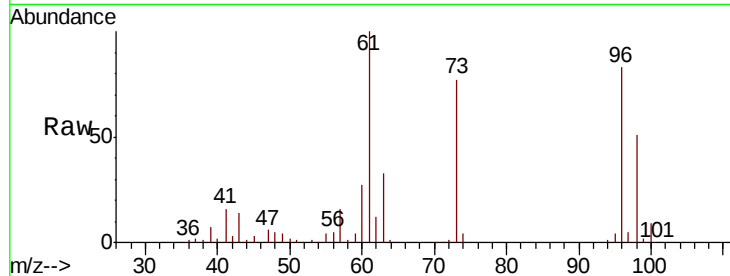




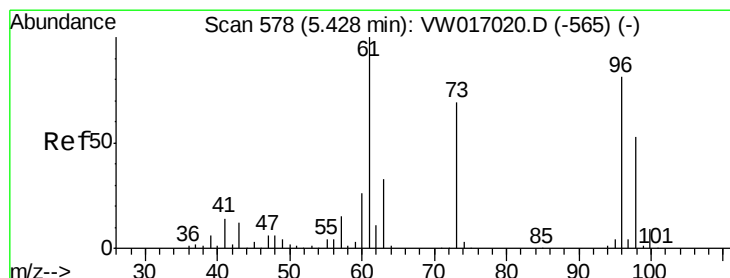
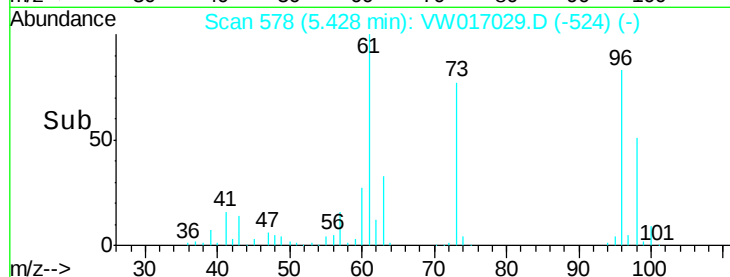
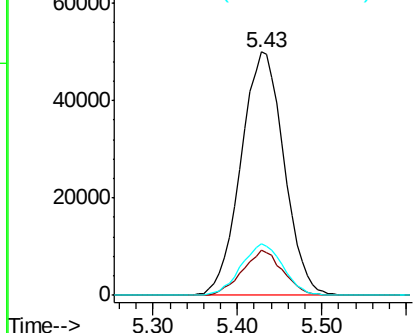
#17
Methvl tert-butvl Ether
Concen: 27.012 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 173926
Ion Ratio Lower Upper
73 100
43 17.4 14.4 21.6
57 20.7 16.6 25.0

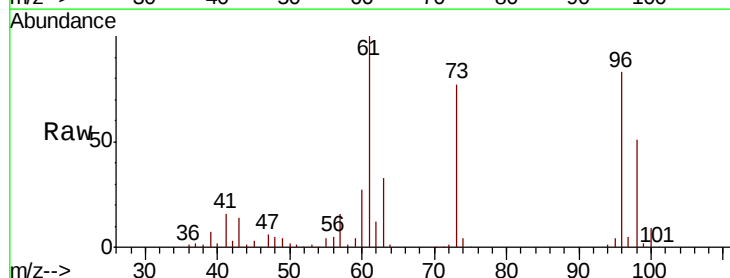


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

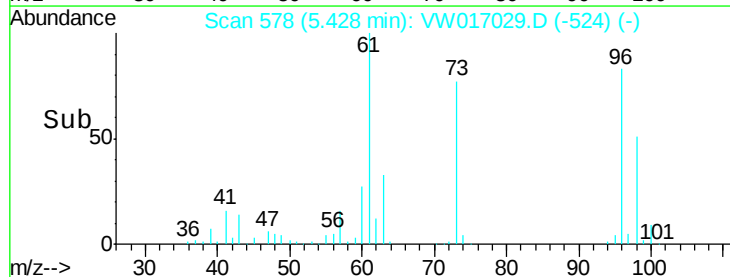
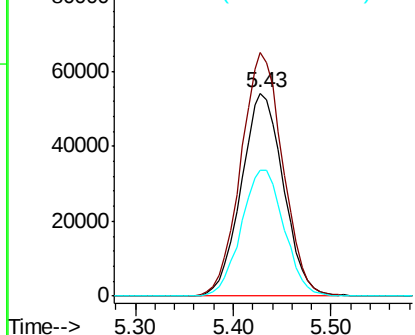


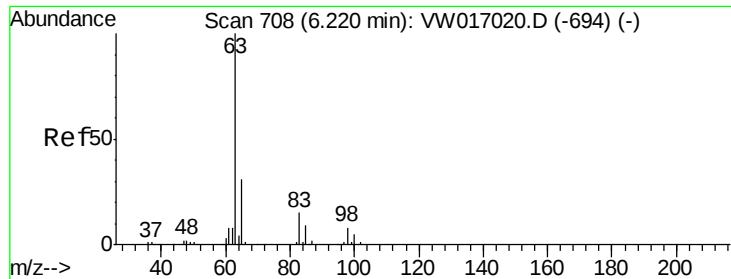
#18
trans-1,2-Dichloroethene
Concen: 26.283 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion: 96 Resp: 162371
Ion Ratio Lower Upper
96 100
61 119.8 82.7 153.7
98 61.6 42.6 79.0



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: 26.554 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampled :

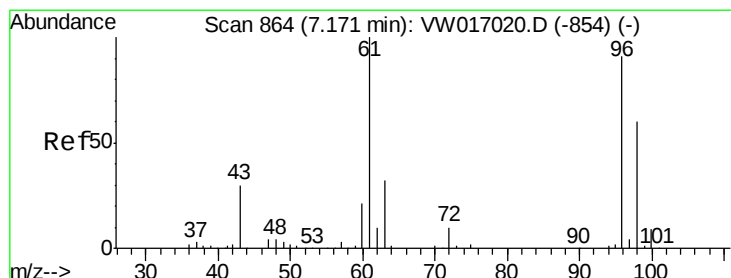
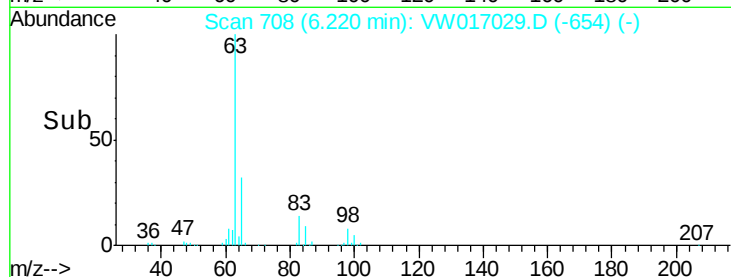
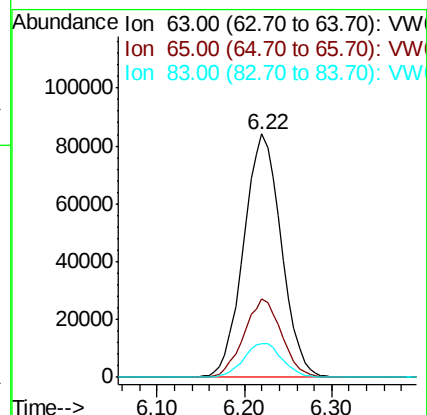
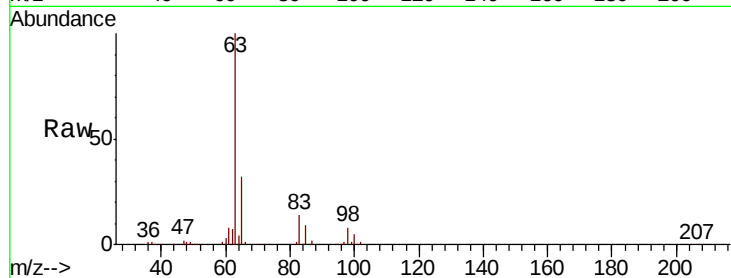
Tot Ion: 63 Resp: 251227

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.9

83 13.9 10.1 18.9



#21

2-Butanone

Concen: 62.836 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017029.D

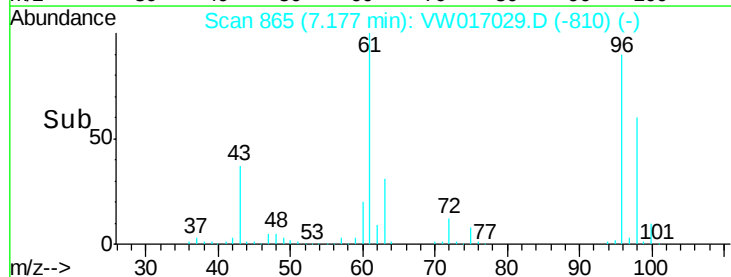
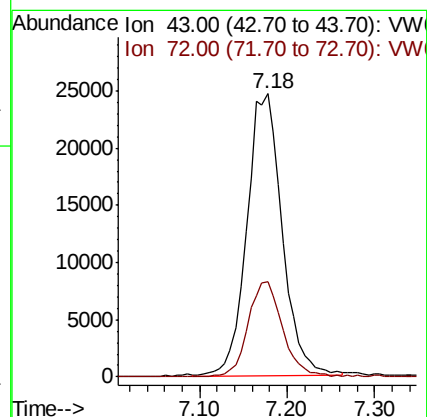
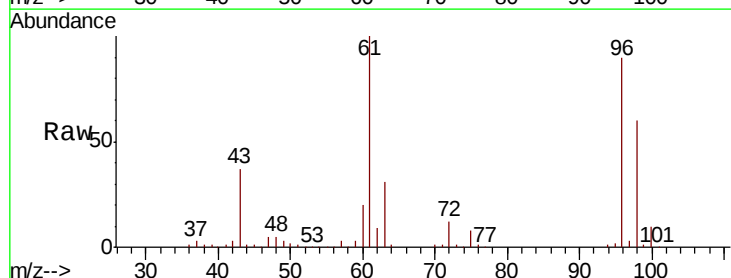
Acq: 29 Oct 2020 17:29

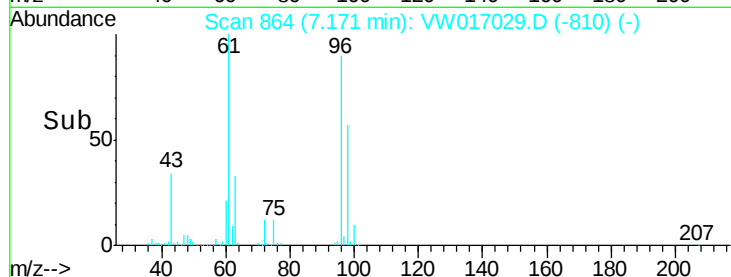
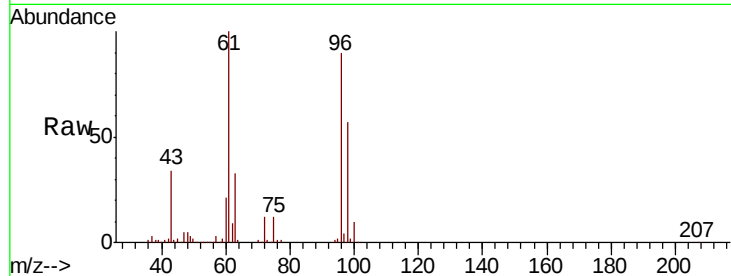
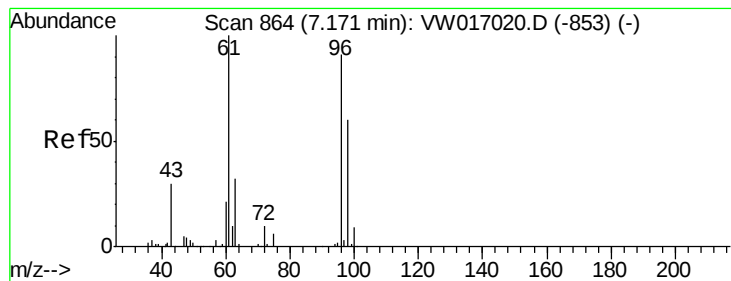
Tgt Ion: 43 Resp: 69417

Ion Ratio Lower Upper

43 100

72 32.9 16.1 48.2





#22

cis-1,2-Dichloroethene

Concen: 26.263 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

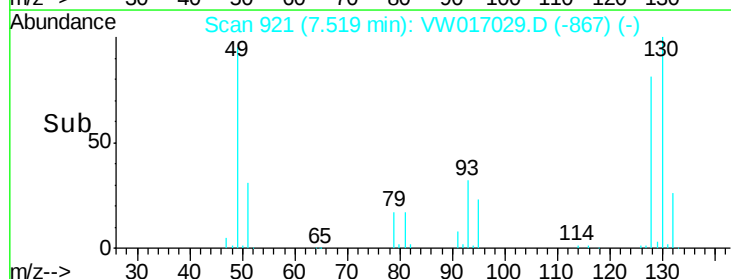
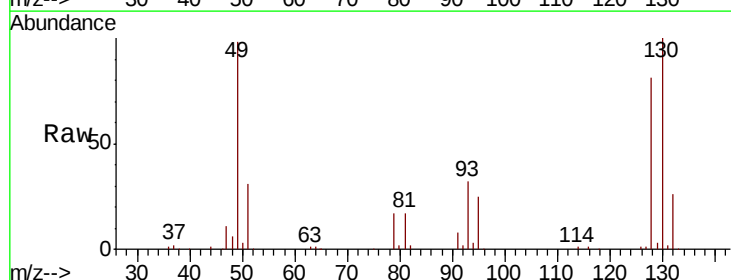
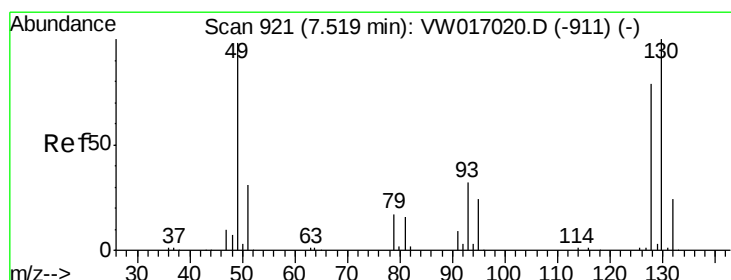
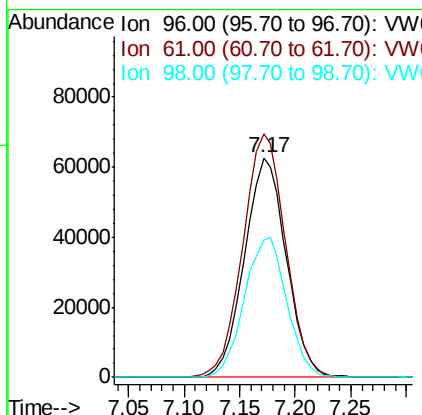
Tot Ion: 96 Resp: 164033

Ion Ratio Lower Upper

96 100

61 110.7 77.4 143.8

98 62.8 44.4 82.5



#23

Bromochloromethane

Concen: 27.565 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Tgt Ion: 128 Resp: 79476

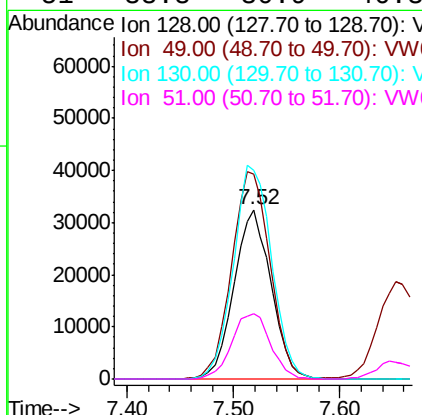
Ion Ratio Lower Upper

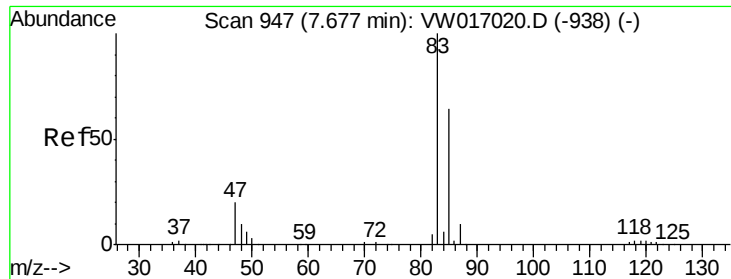
128 100

49 121.0 86.4 160.4

130 123.6 86.4 160.4

51 38.8 30.9 46.3

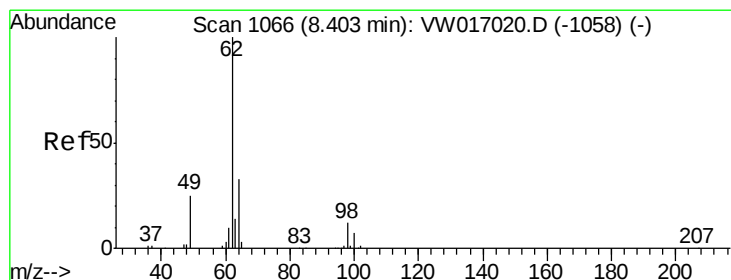
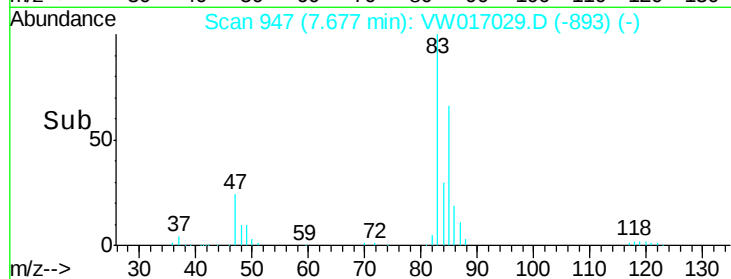
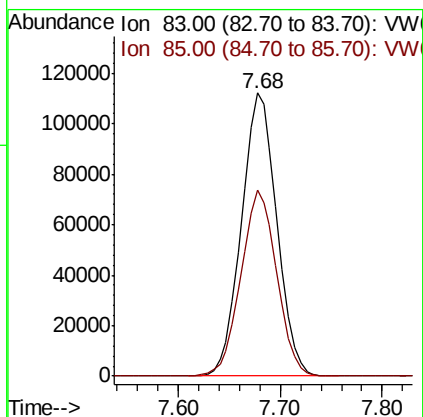
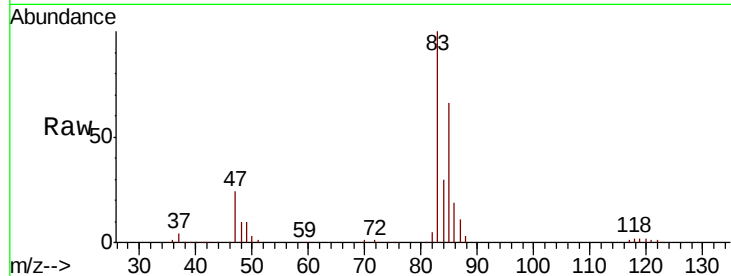




#25
Chloroform
Concen: 26.850 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

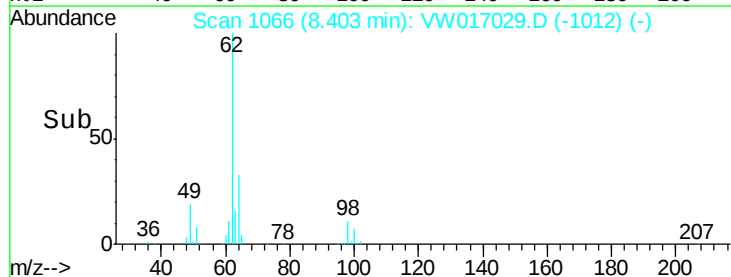
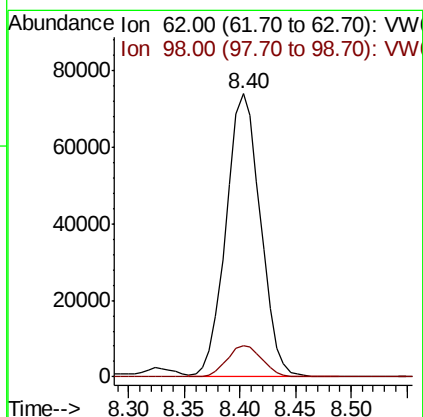
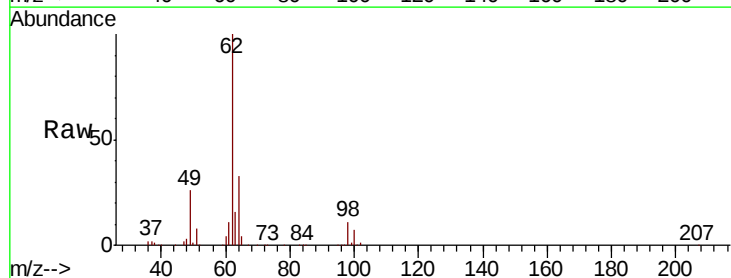
Instrument :
MSVOA_W
ClientSampleId :

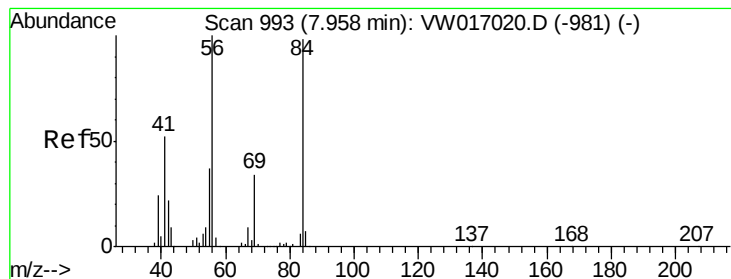
Tot Ion: 83 Resp: 270423
Ion Ratio Lower Upper
83 100
85 66.4 46.6 86.6



#27
1,2-Dichloroethane
Concen: 27.698 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion: 62 Resp: 158861
Ion Ratio Lower Upper
62 100
98 11.0 8.5 12.7





#30

Cvclohexane

Concen: 24.763 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

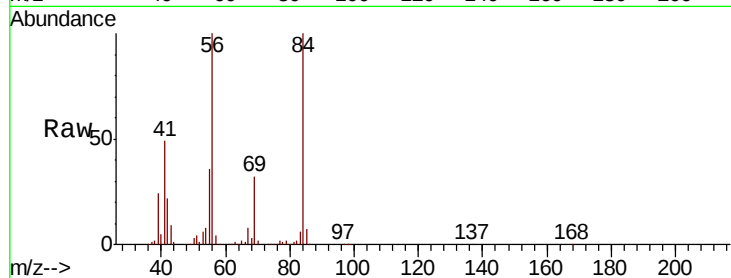
Tot Ion: 56 Resp: 222873

Ion Ratio Lower Upper

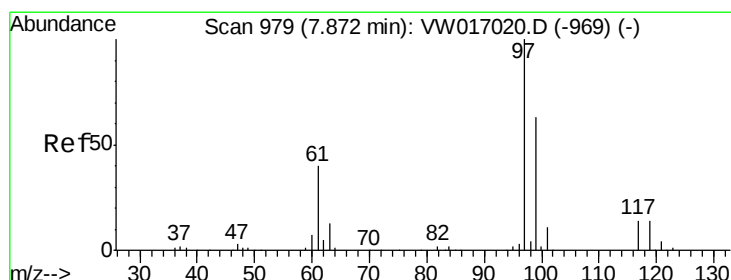
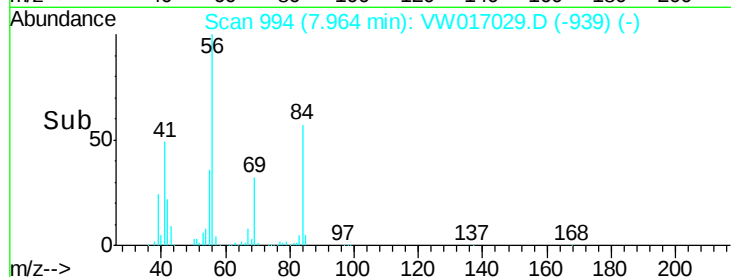
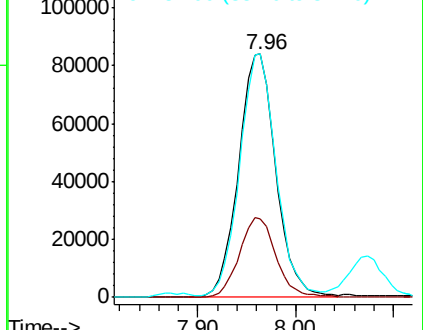
56 100

69 32.3 26.0 39.0

84 98.1 78.6 118.0



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: 24.912 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

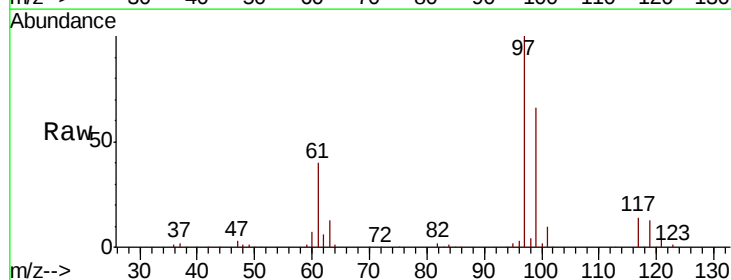
Tgt Ion: 97 Resp: 232051

Ion Ratio Lower Upper

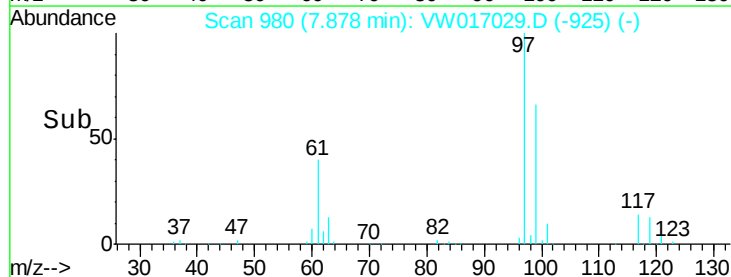
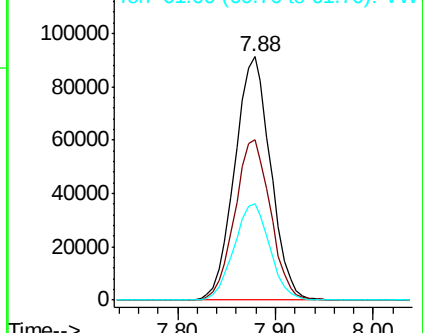
97 100

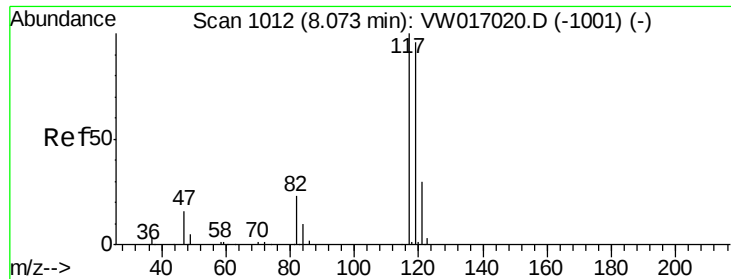
99 65.5 51.3 76.9

61 39.6 31.8 47.8



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: 25.420 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

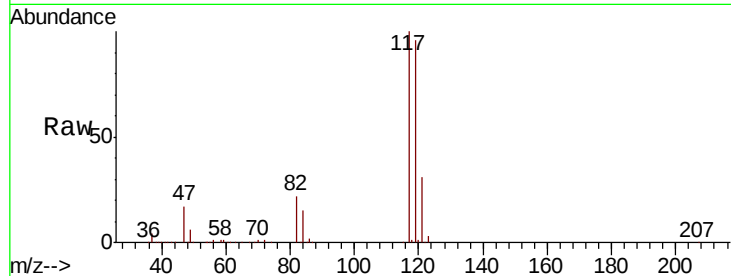
ClientSampleId :

Tot Ion:117 Resp: 227278

Ion Ratio Lower Upper

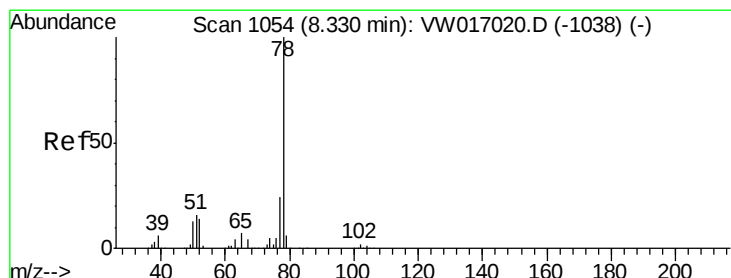
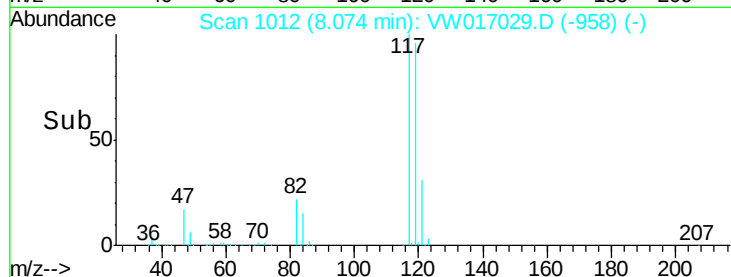
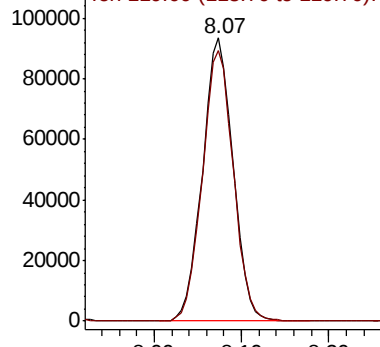
117 100

119 97.0 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.153 ug/L

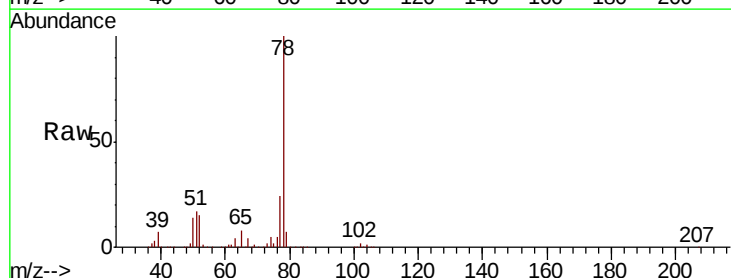
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

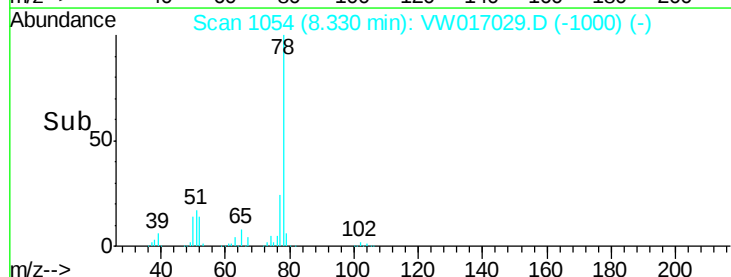
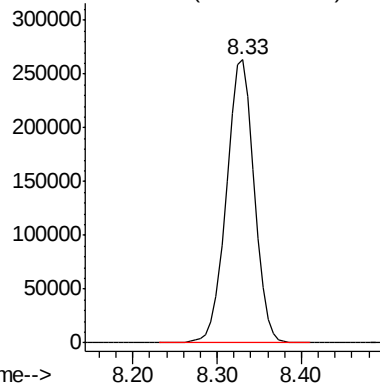
Lab File: VW017029.D

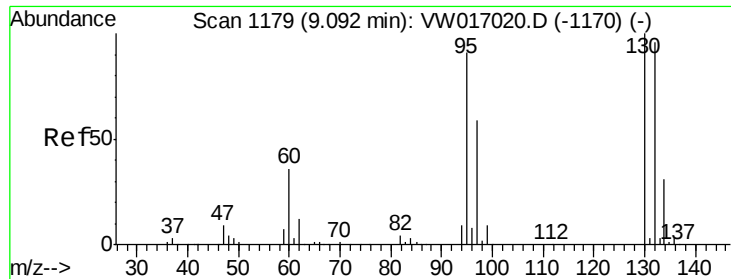
Acq: 29 Oct 2020 17:29

Tgt Ion: 78 Resp: 597861



Abundance Ion 78.00 (77.70 to 78.70): VW

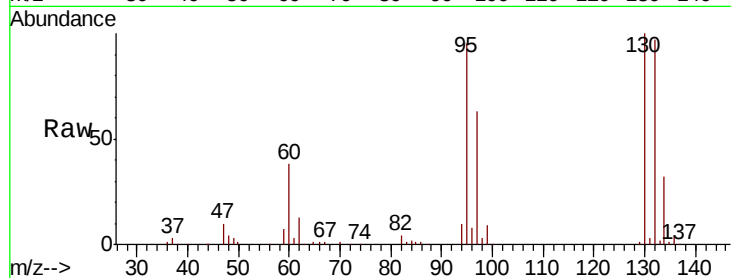




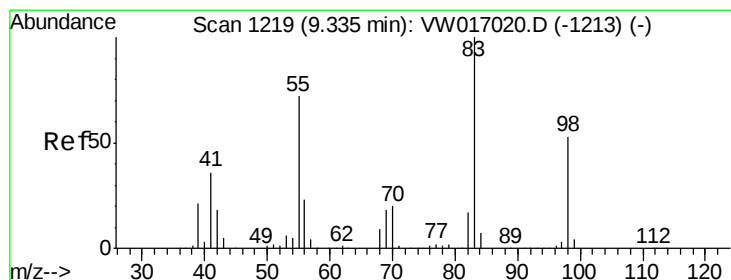
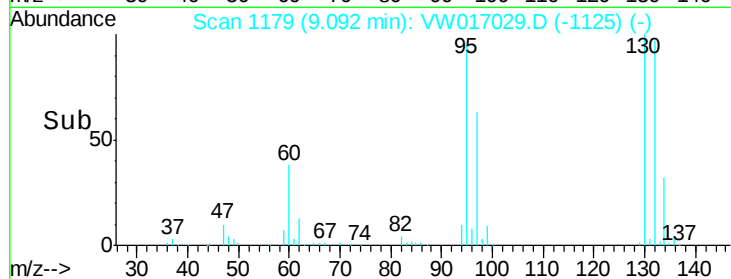
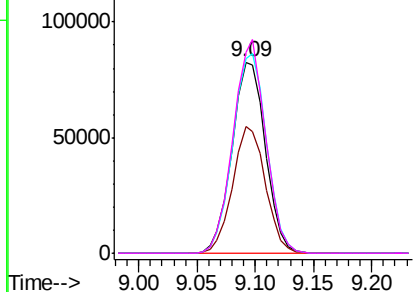
#35
 Trichloroethene
 Concen: 25.202 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	165896
Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.0	85.4
132	105.4	73.9	137.3
130	108.0	77.6	144.2

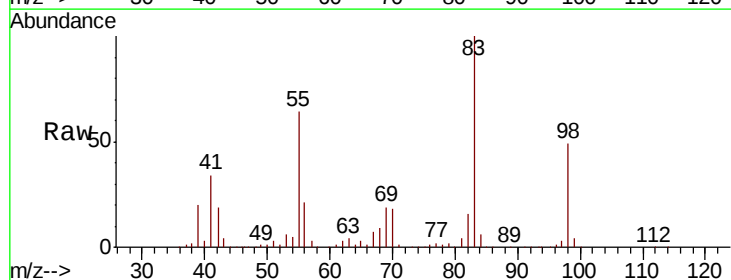


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

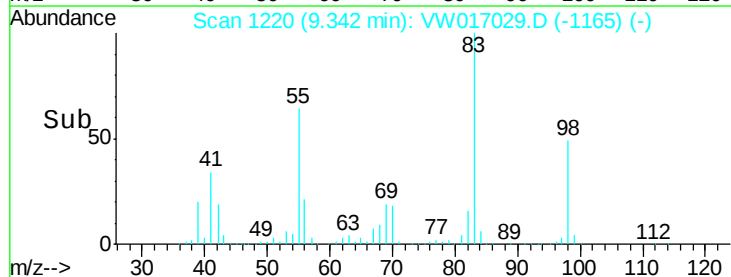
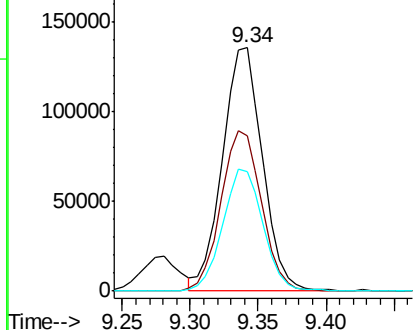


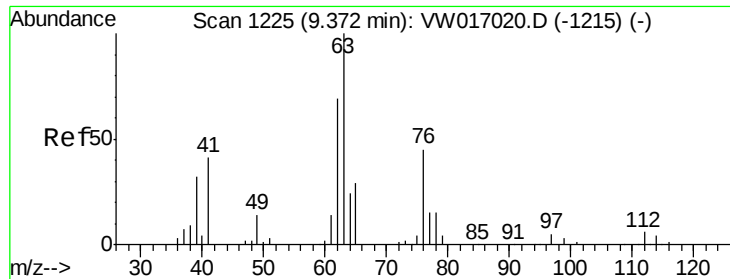
#36
 Methylcyclohexane
 Concen: 25.171 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Tgt Ion:	83	Resp:	278270
Ion	Ratio	Lower	Upper
83	100		
55	66.5	54.5	81.7
98	50.4	40.8	61.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

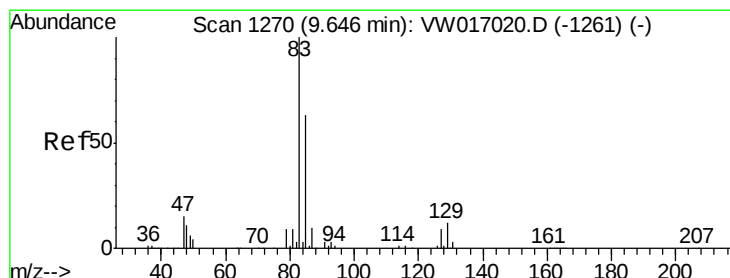
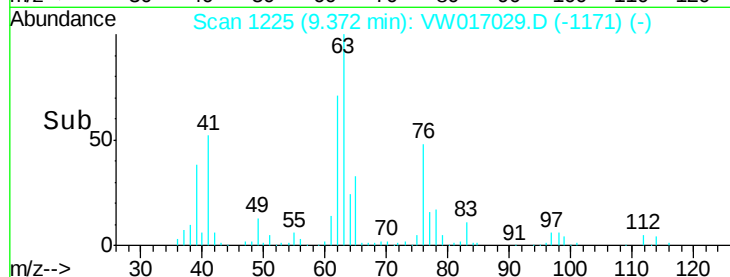
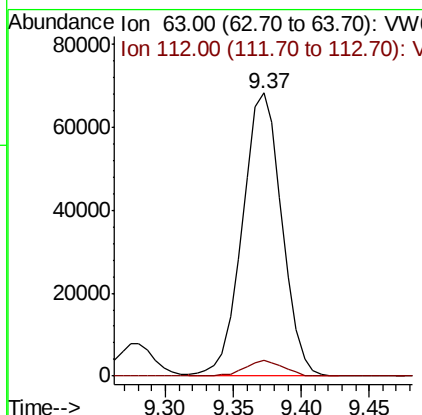
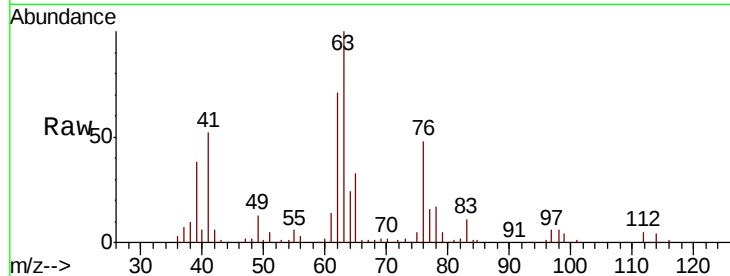




#40
 1,2-Dichloropropane
 Concen: 26.109 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

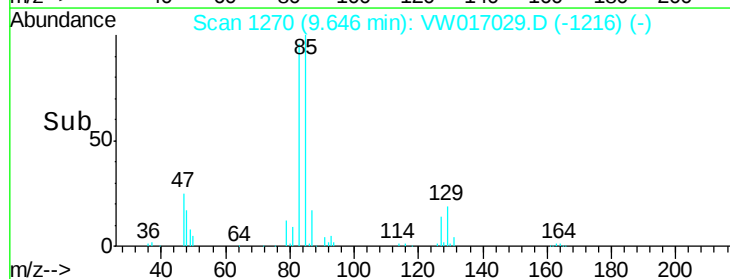
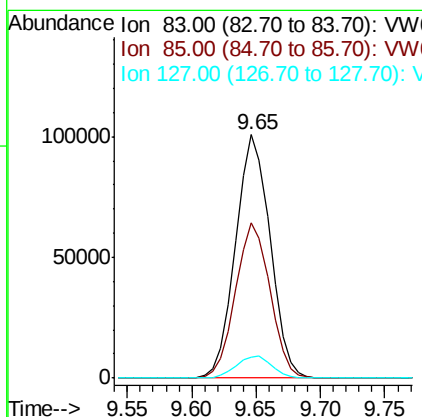
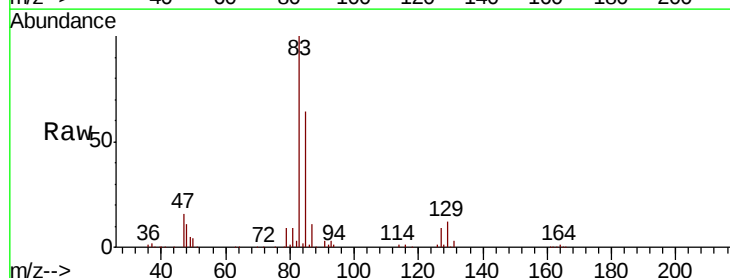
Instrument :
 MSVOA_W
 ClientSampled :

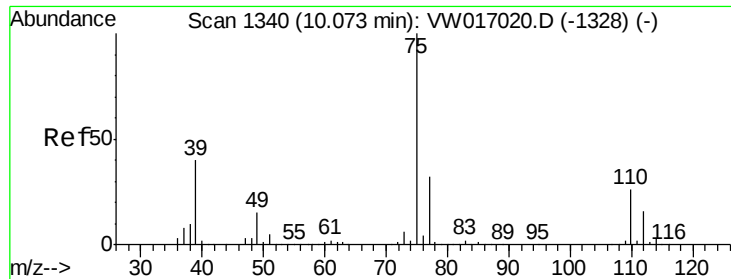
Tot Ion: 63 Resp: 138589
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.047 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Tgt Ion: 83 Resp: 187659
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.1 83.9
 127 8.7 7.8 11.6

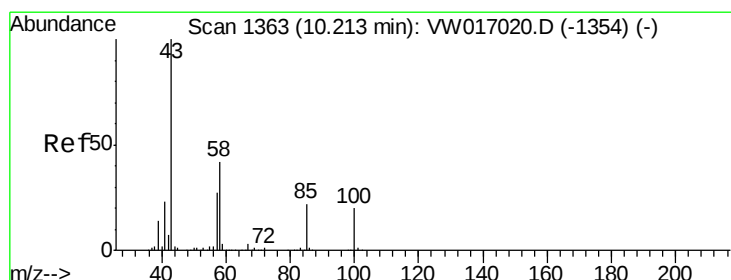
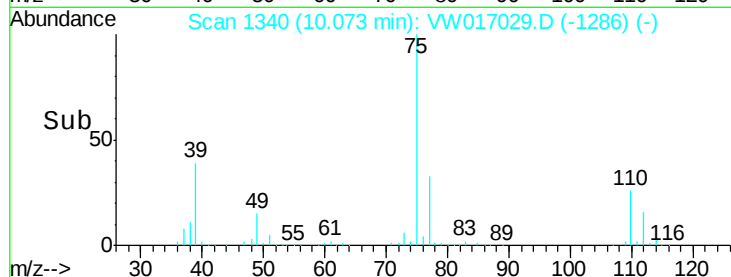
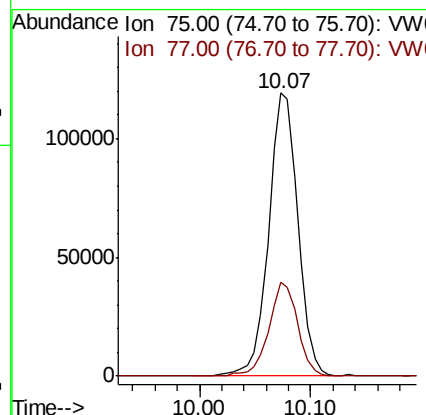
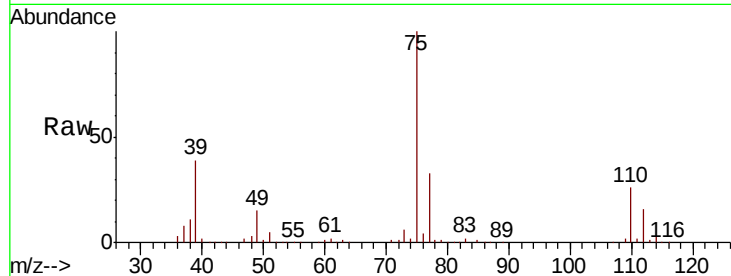




#42
 cis-1,3-Dichloropropene
 Concen: 26.324 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

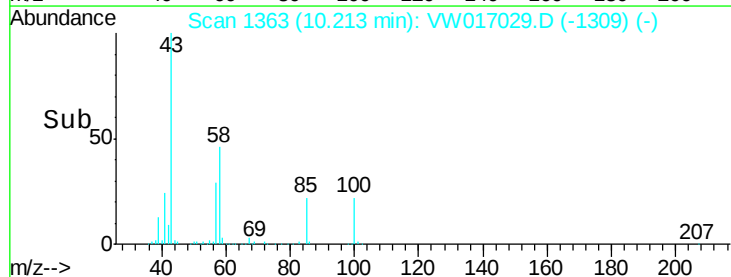
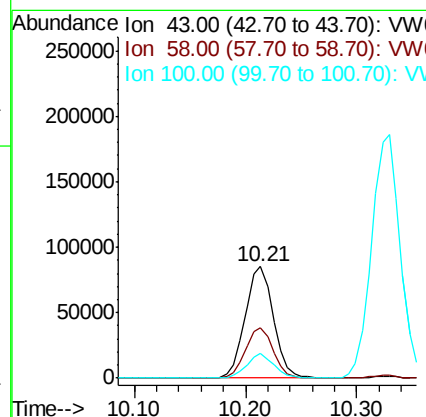
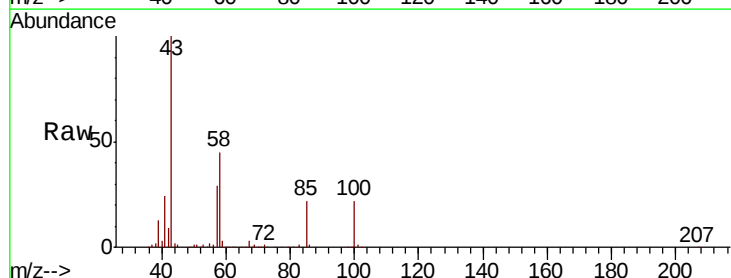
Instrument :
 MSVOA_W
 ClientSampled :

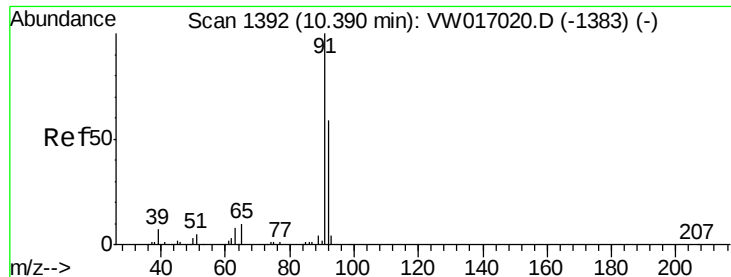
Tot Ion: 75 Resp: 218498
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 59.881 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Tgt Ion: 43 Resp: 150671
 Ion Ratio Lower Upper
 43 100
 58 44.7 34.4 51.6
 100 20.9 16.2 24.2





#44

Toluene

Concen: 25.727 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

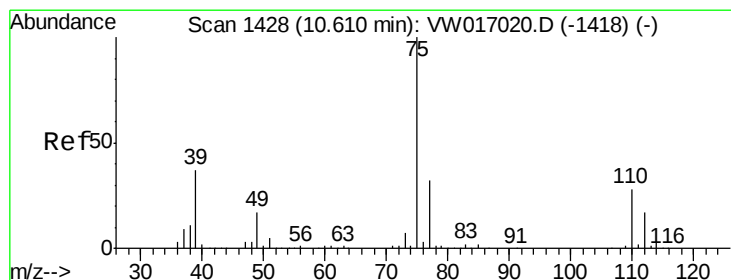
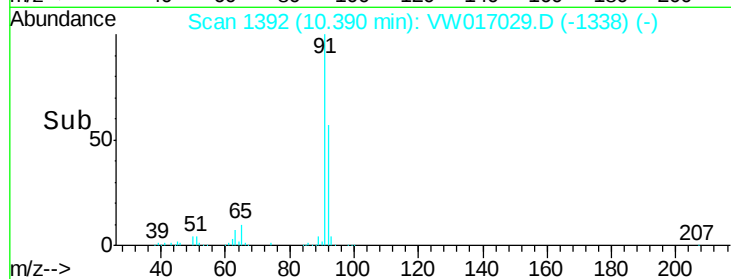
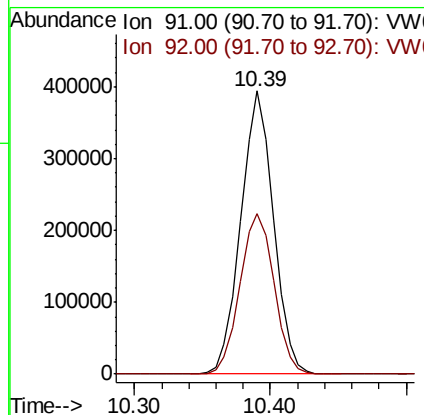
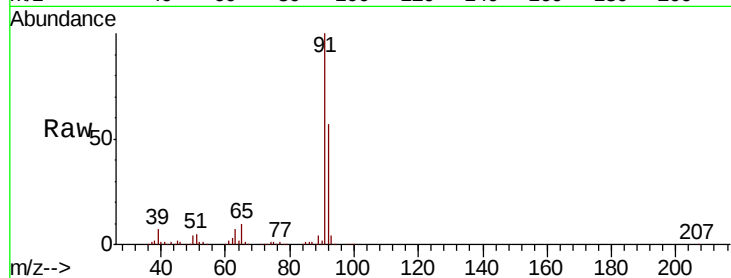
ClientSampled :

Tot Ion: 91 Resp: 662523

Ion Ratio Lower Upper

91 100

92 56.7 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 27.099 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017029.D

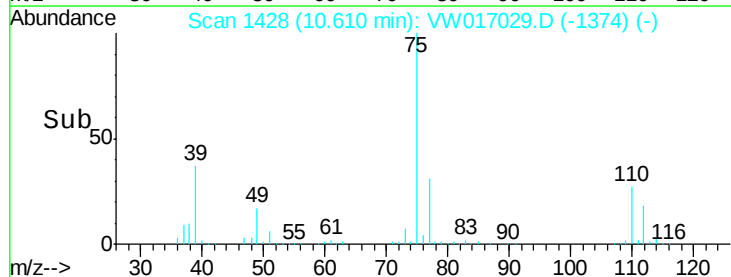
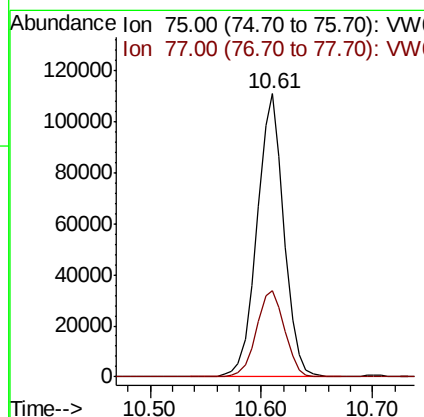
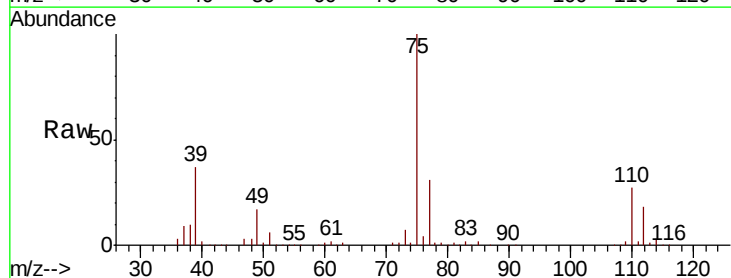
Acq: 29 Oct 2020 17:29

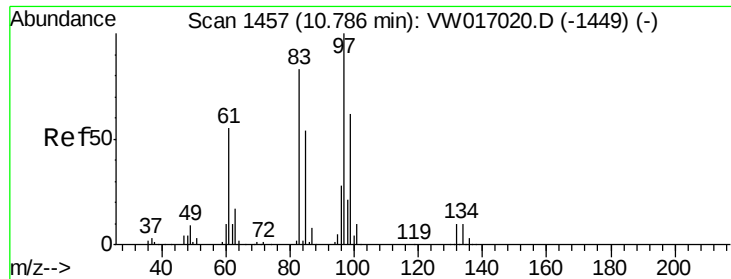
Tgt Ion: 75 Resp: 186330

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.3

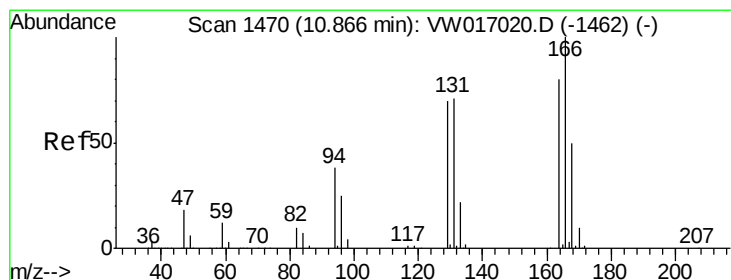
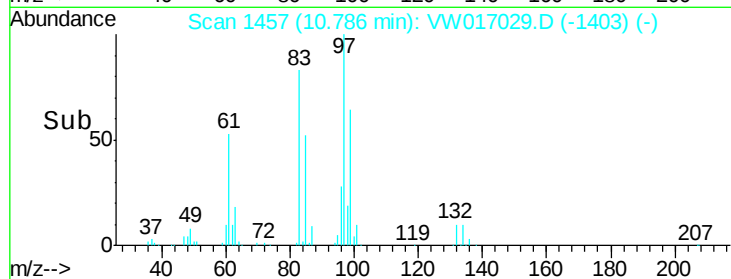
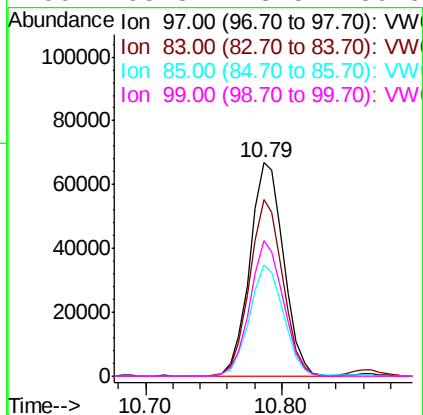
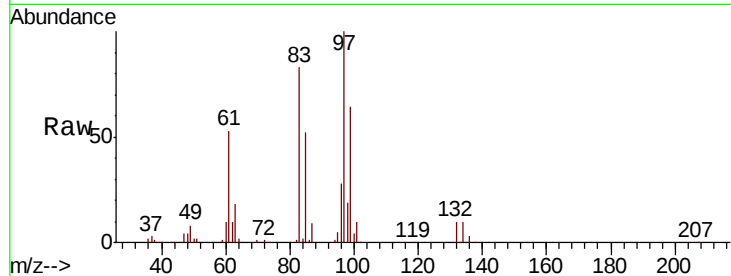




#46
 1,1,2-Trichloroethane
 Concen: 27.455 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

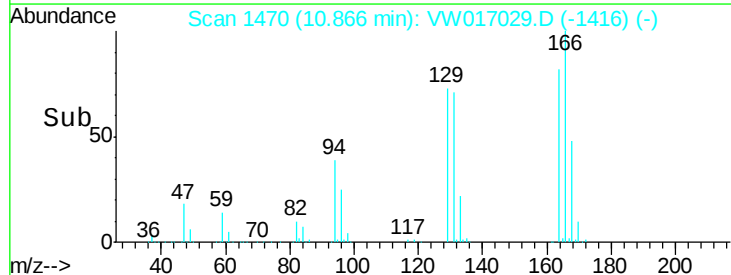
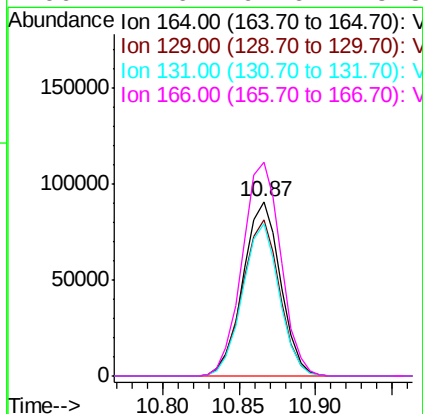
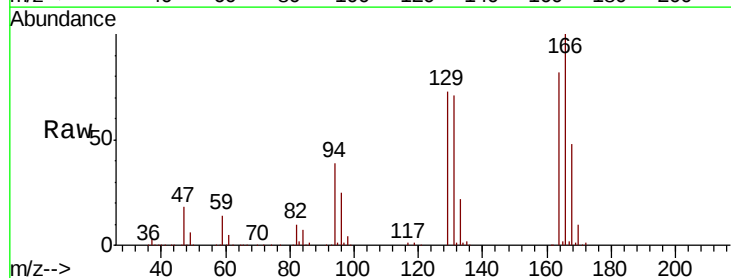
Instrument :
 MSVOA_W
 ClientSampleId :

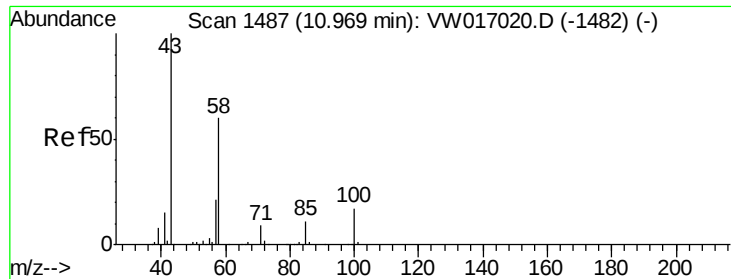
Tot Ion:	97	Resp:	116648
Ion	Ratio	Lower	Upper
97	100		
83	82.8	56.6	105.0
85	52.4	34.6	64.3
99	63.8	43.5	80.9



#47
 Tetrachloroethene
 Concen: 25.593 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Tgt Ion:	164	Resp:	154974
Ion	Ratio	Lower	Upper
164	100		
129	89.3	64.0	119.0
131	87.3	61.7	114.5
166	122.6	94.6	175.8

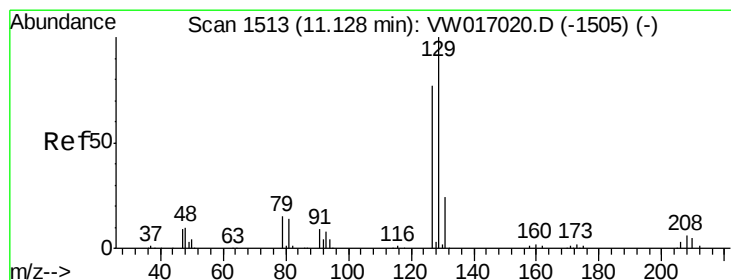
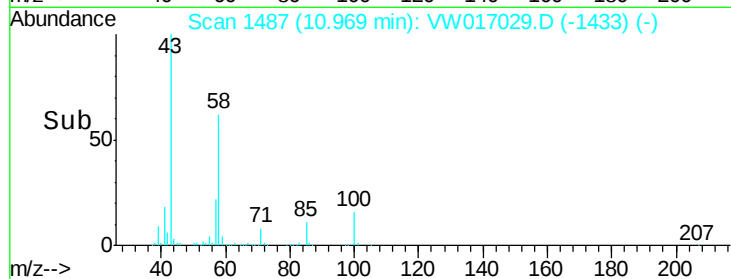
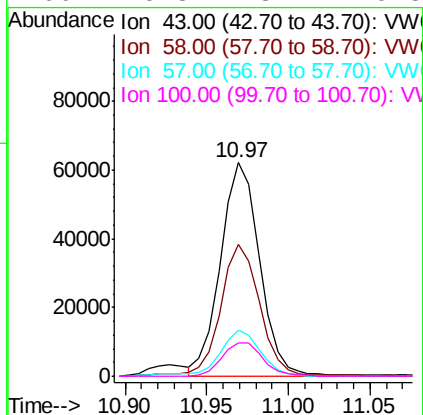
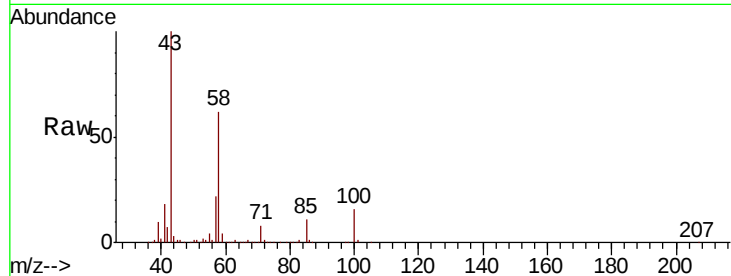




#49
2-Hexanone
Concen: 64.785 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

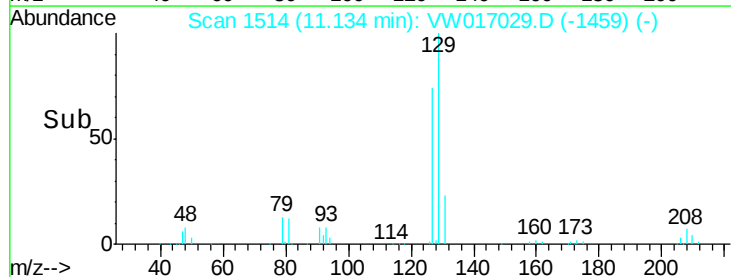
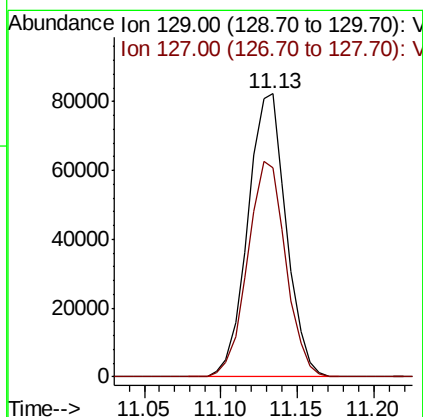
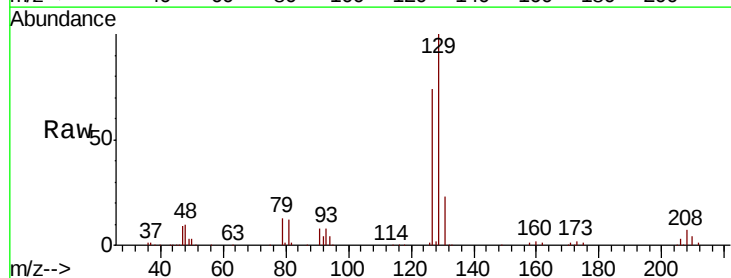
Instrument :
MSVOA_W
ClientSampleId :

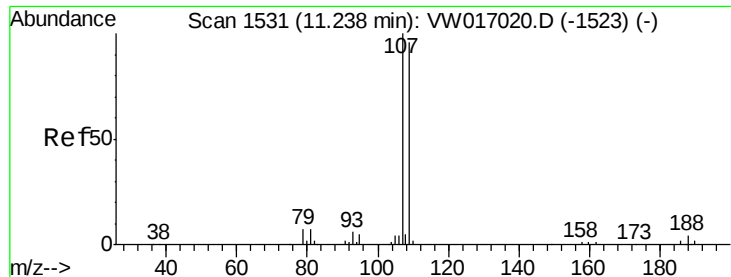
Tot Ion:	43	Resp:	103888
Ion	Ratio	Lower	Upper
43	100		
58	61.6	49.2	73.8
57	20.9	17.0	25.4
100	16.3	13.2	19.8



#50
Dibromochloromethane
Concen: 27.742 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion:	129	Resp:	143589
Ion	Ratio	Lower	Upper
129	100		
127	74.1	55.4	102.8

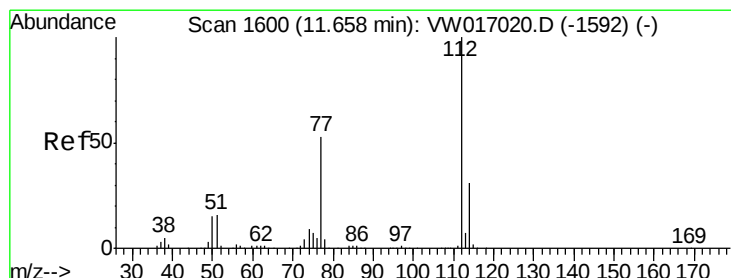
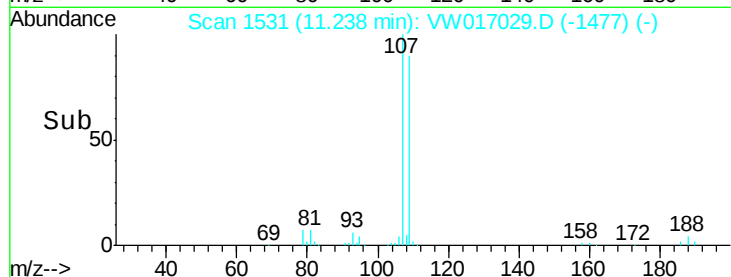
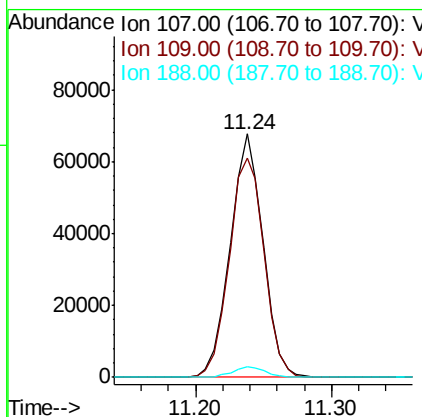
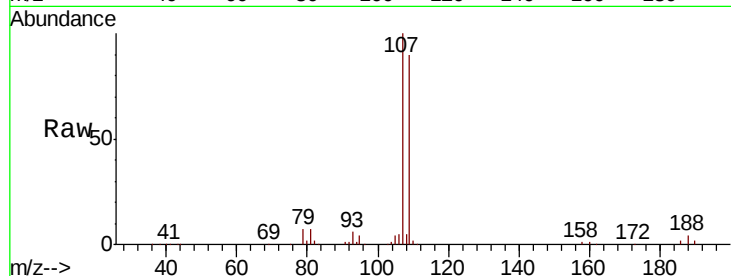




#51
1,2-Dibromoethane
Concen: 27.997 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

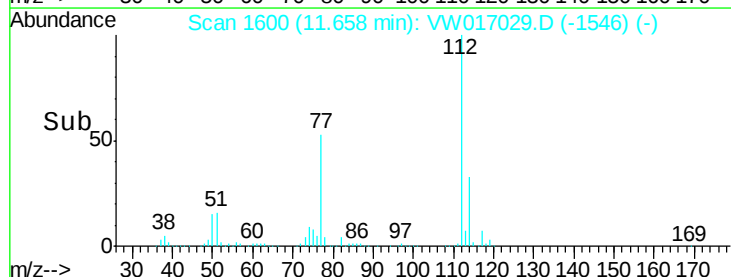
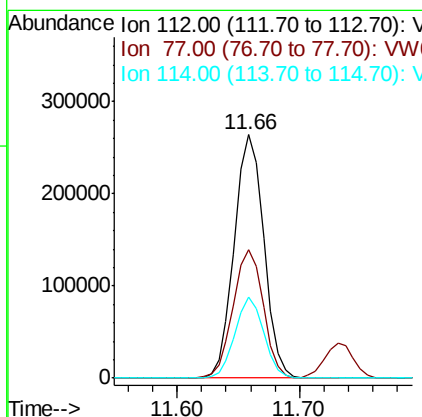
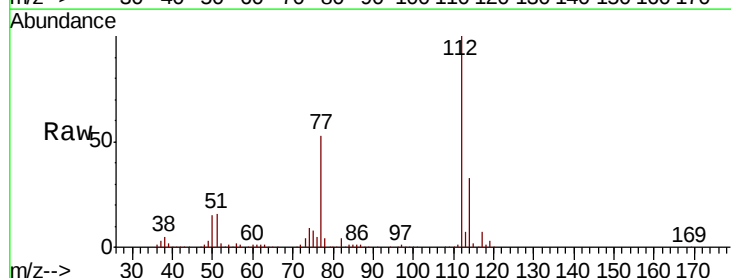
Instrument :
MSVOA_W
ClientSampleId :

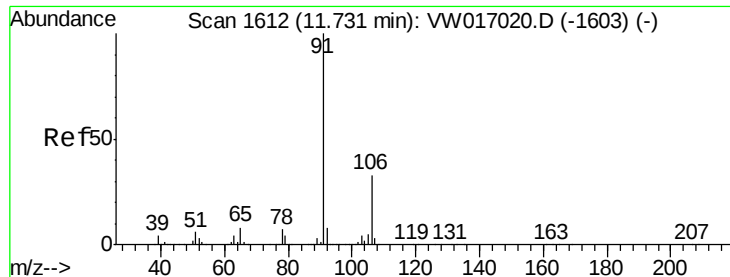
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.0	65.7	121.9
188	4.2	3.1	4.7



#52
Chlorobenzene
Concen: 25.673 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
77	52.6	42.5	63.7
114	33.2	22.3	41.3

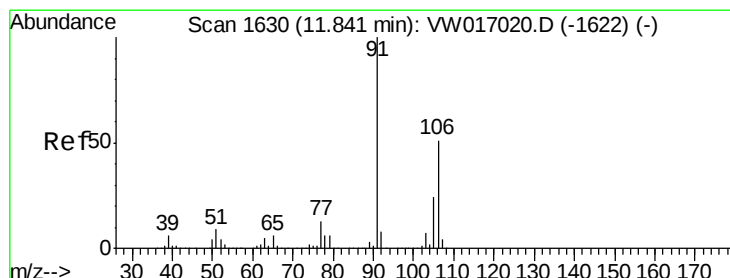
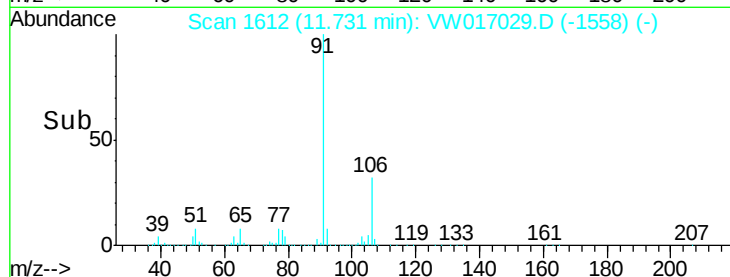
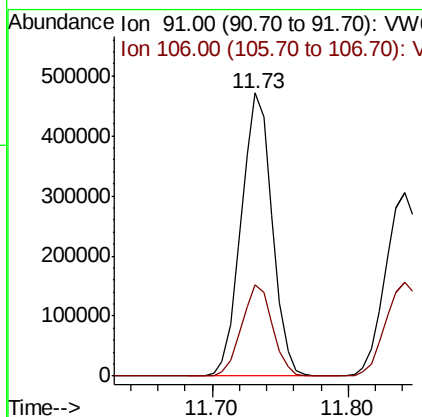
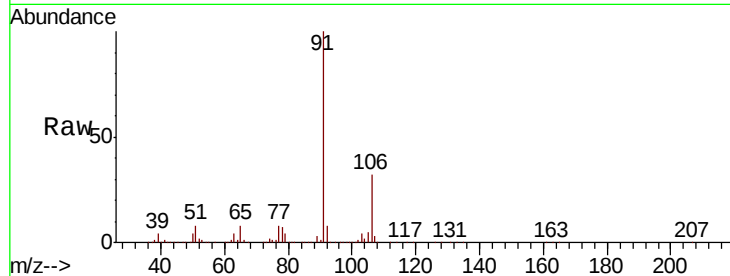




#53
Ethylbenzene
Concen: 25.935 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

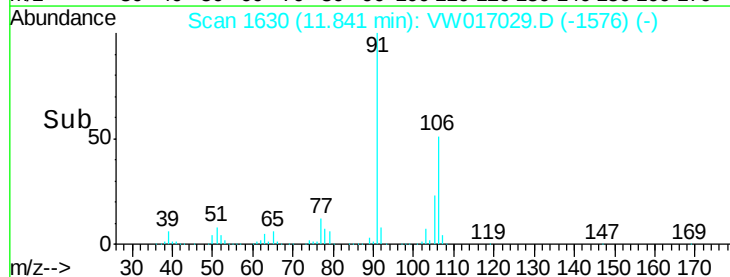
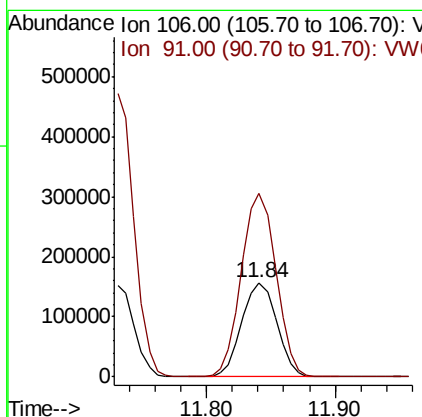
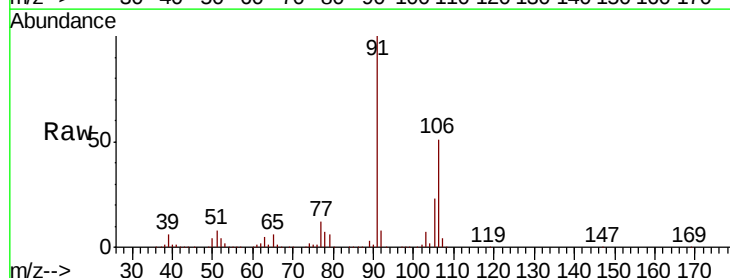
Instrument :
MSVOA_W
ClientSampled :

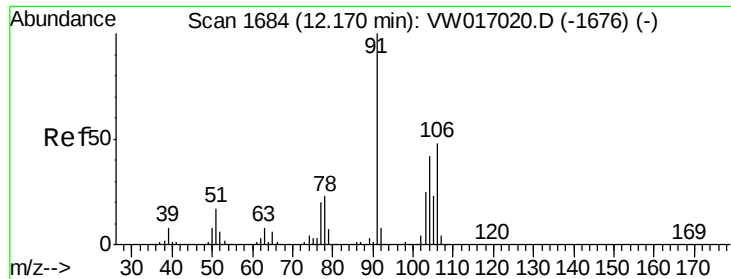
Tot Ion: 91 Resp: 750053
Ion Ratio Lower Upper
91 100
106 32.1 22.5 41.7



#54
m,p-Xylene
Concen: 26.023 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion: 106 Resp: 296079
Ion Ratio Lower Upper
106 100
91 194.5 134.2 249.2

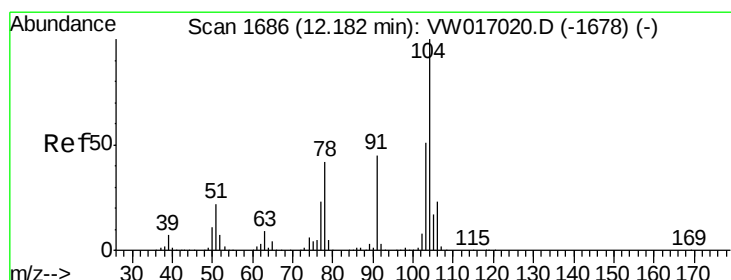
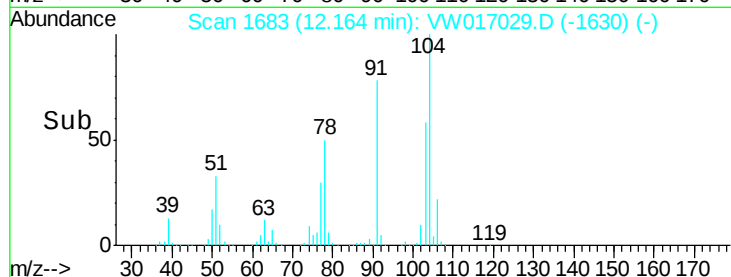
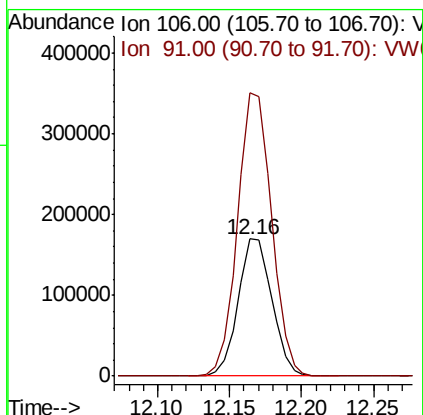
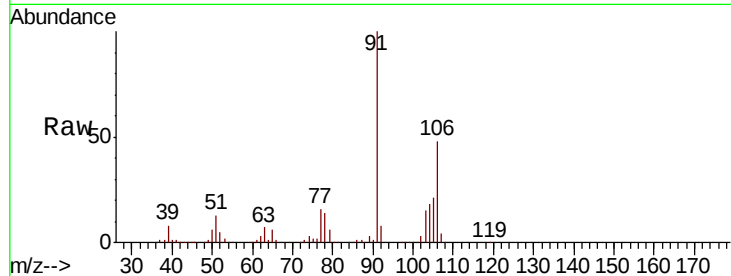




#55
o-xylene
Concen: 26.365 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

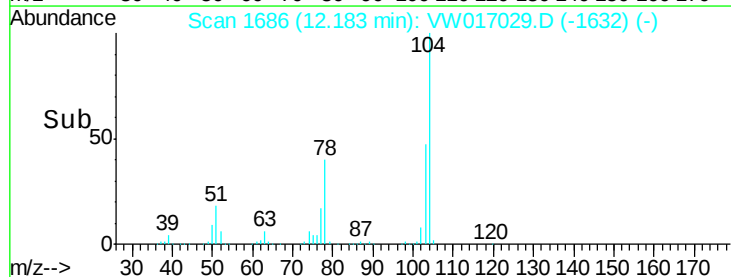
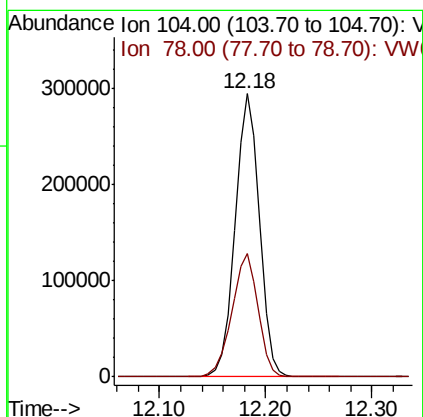
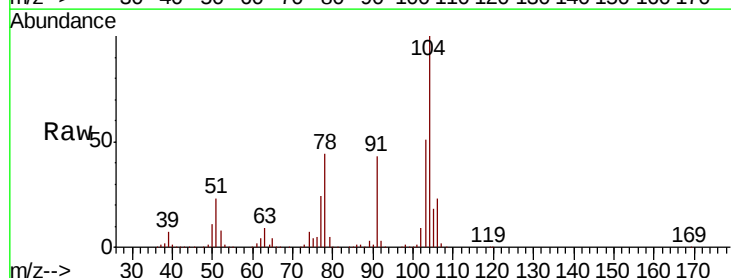
Instrument :
MSVOA_W
ClientSampled :

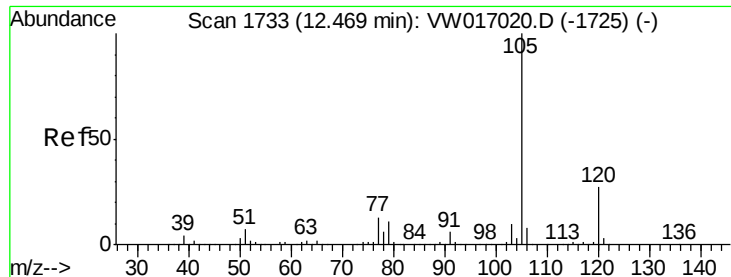
Tot Ion:106 Resp: 277880
Ion Ratio Lower Upper
106 100
91 206.6 150.9 280.3



#56
Styrene
Concen: 26.811 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017029.D
Acq: 29 Oct 2020 17:29

Tgt Ion:104 Resp: 472736
Ion Ratio Lower Upper
104 100
78 43.5 29.3 54.5





#57

Isopropylbenzene

Concen: 26.119 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

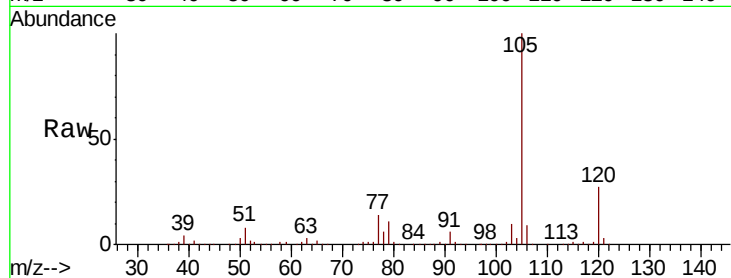
Tot Ion:105 Resp: 761441

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

77 14.2 11.4 17.2

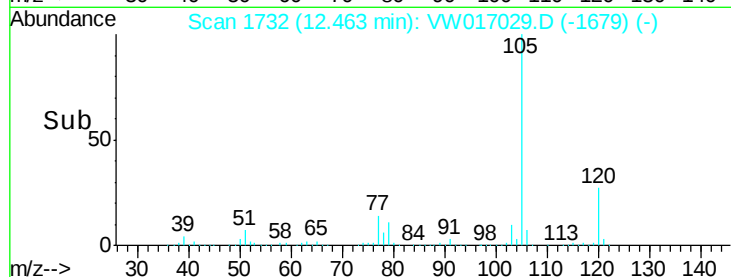


Abundance Ion 105.00 (104.70 to 105.70): V

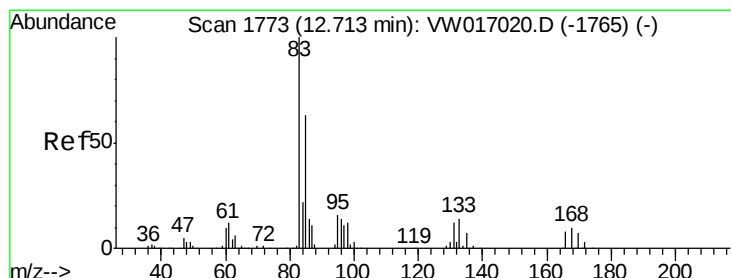
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 29.198 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

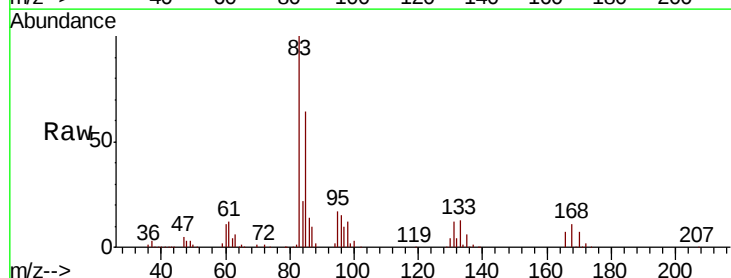
Tgt Ion: 83 Resp: 133152

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

131 12.2 9.1 13.7

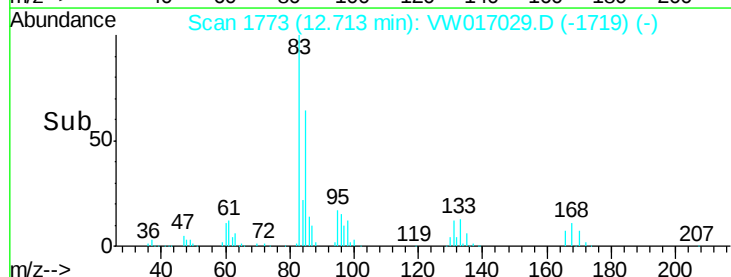


Abundance Ion 83.00 (82.70 to 83.70): V

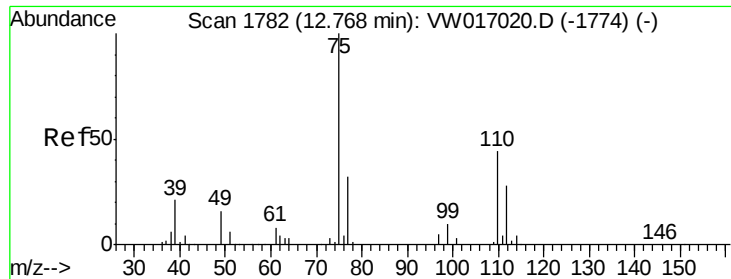
Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 29.596 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

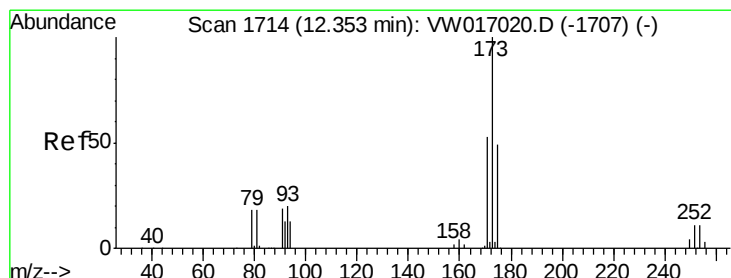
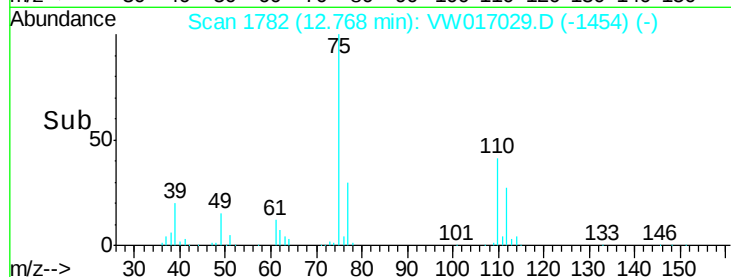
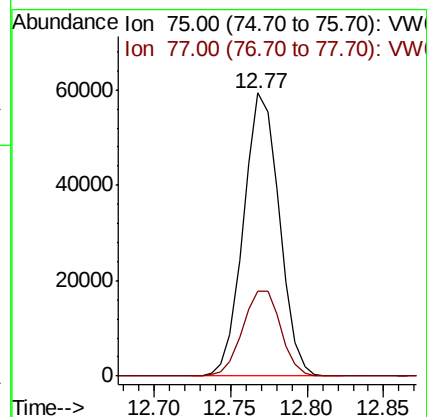
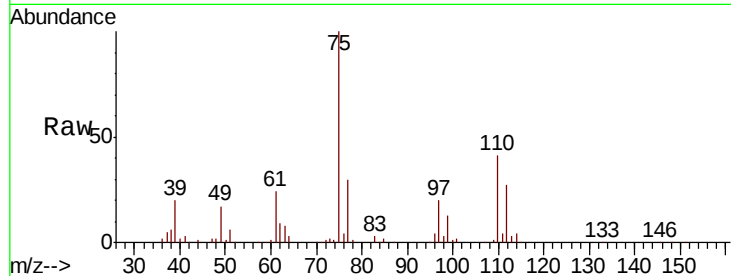
ClientSampleId :

Tot Ion: 75 Resp: 96589

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#62

Bromoform

Concen: 27.891 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

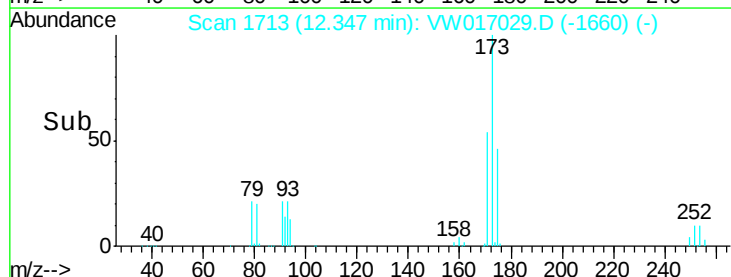
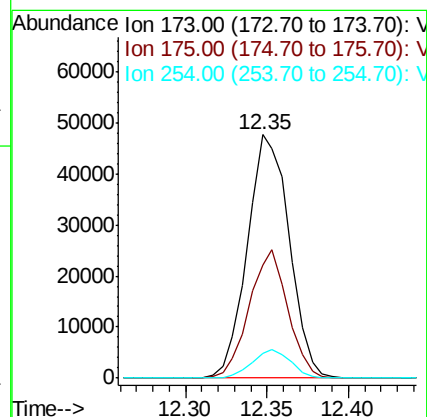
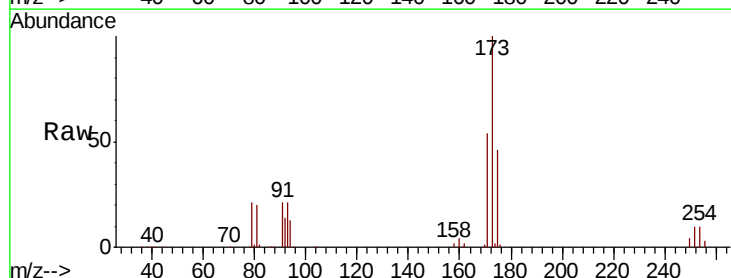
Tgt Ion: 173 Resp: 84969

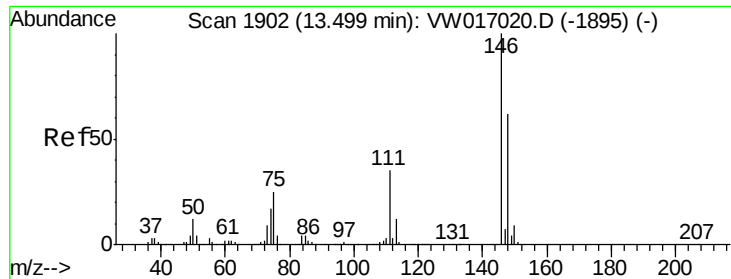
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 10.8 7.8 11.6

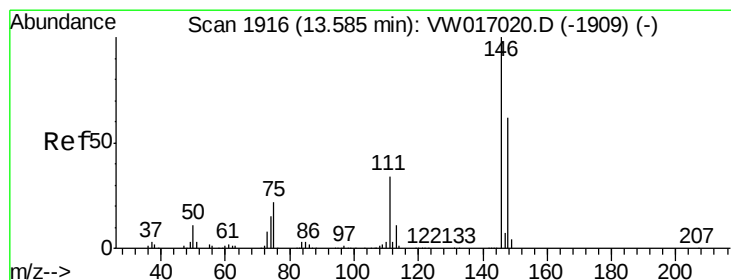
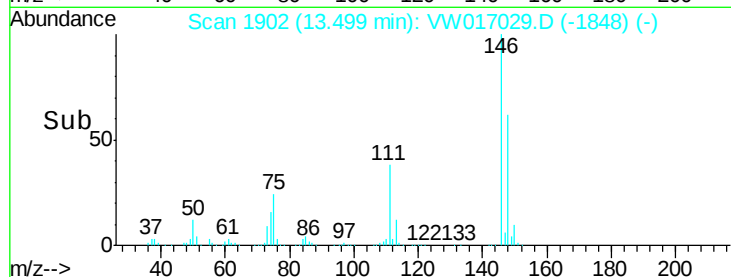
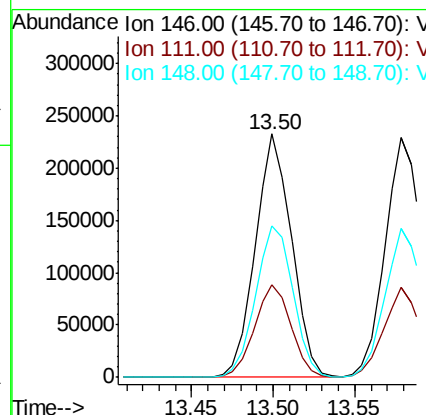
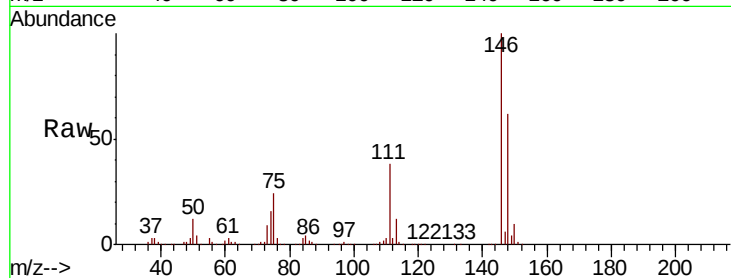




#63
 1,3-Dichlorobenzene
 Concen: 25.788 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

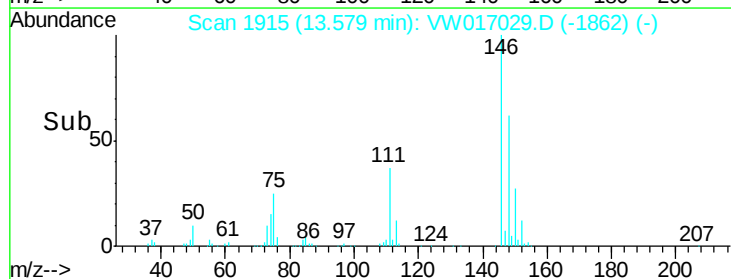
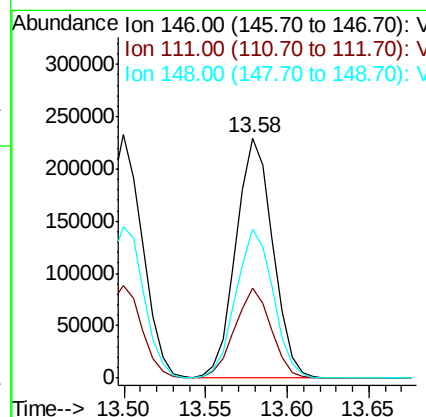
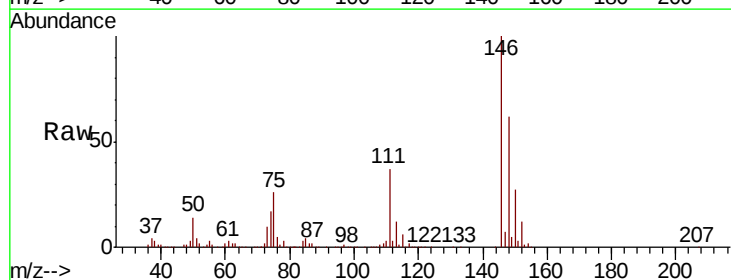
Instrument :
 MSVOA_W
 ClientSampleId :

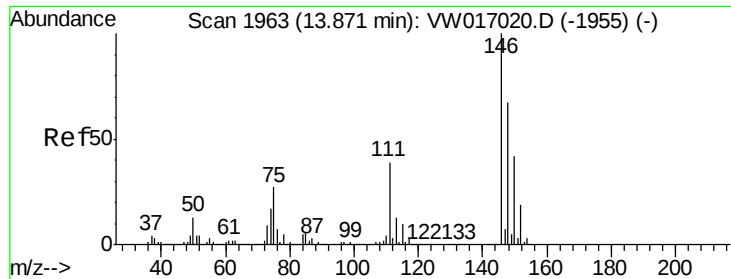
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	25.5	47.3
148	62.4	43.1	80.1



#64
 1,4-Dichlorobenzene
 Concen: 25.985 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	25.7	47.7
148	62.1	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 26.195 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampled :

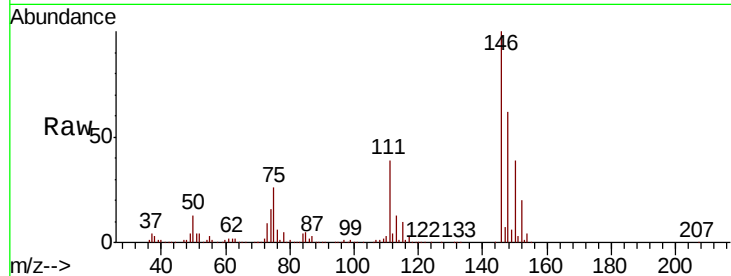
Tot Ion:146 Resp: 323243

Ion Ratio Lower Upper

146 100

111 38.5 31.4 47.0

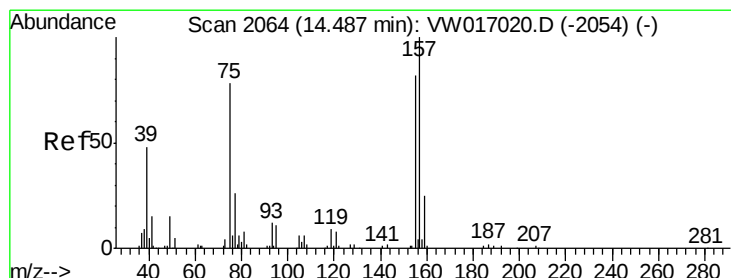
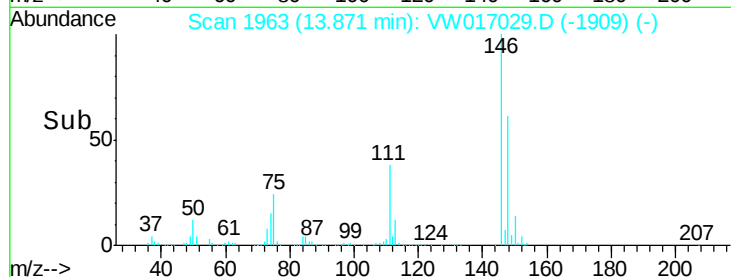
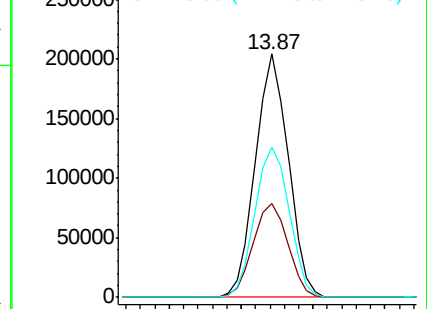
148 61.5 47.7 71.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 31.202 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

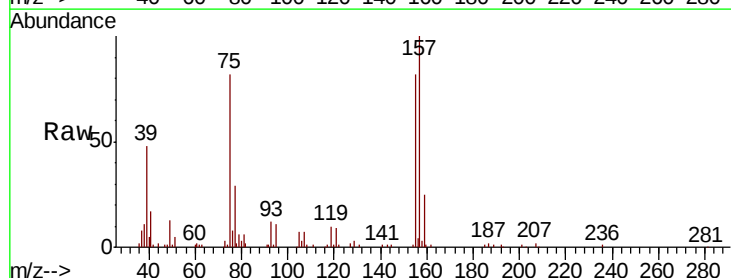
Tgt Ion: 75 Resp: 20945

Ion Ratio Lower Upper

75 100

157 122.3 102.5 153.7

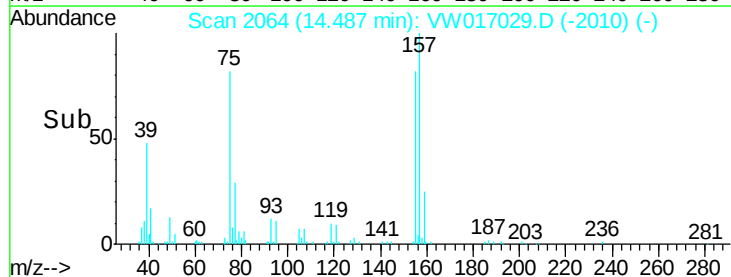
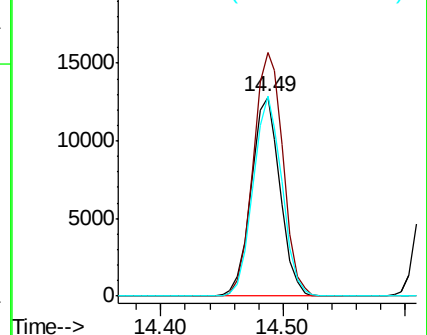
155 100.8 80.3 120.5

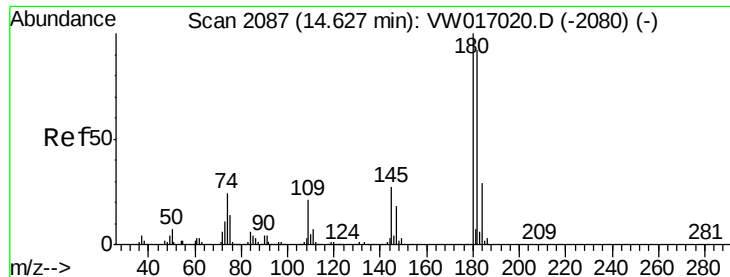


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

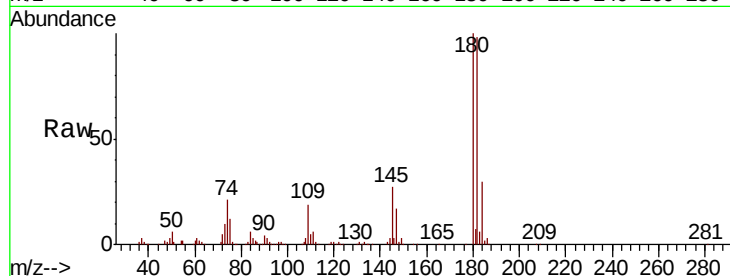




#67
 1,3,5-Trichlorobenzene
 Concen: 26.532 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	271652
Ion Ratio	100	Lower	Upper
180	100		
182	95.2	77.4	116.0
184	31.2	24.8	37.2
145	28.7	23.4	35.2



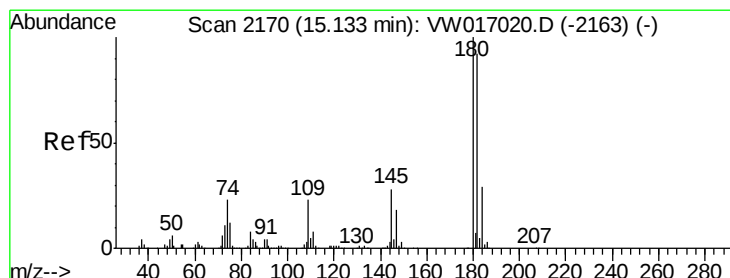
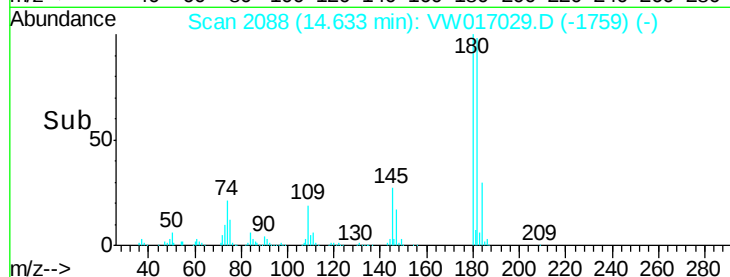
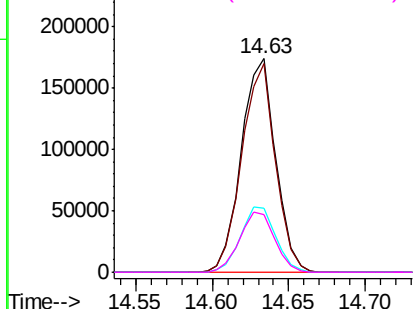
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

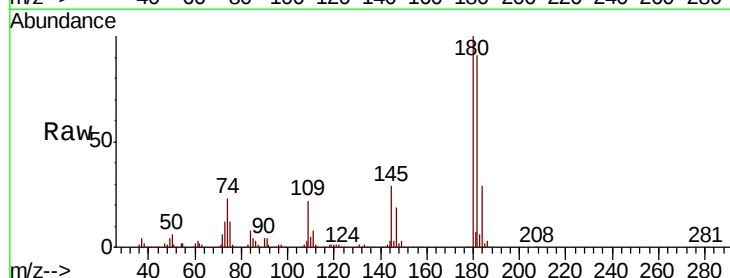
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.139 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017029.D
 Acq: 29 Oct 2020 17:29

Tgt Ion	180	Resp	223311
Ion Ratio	100	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	28.6	23.4	35.0

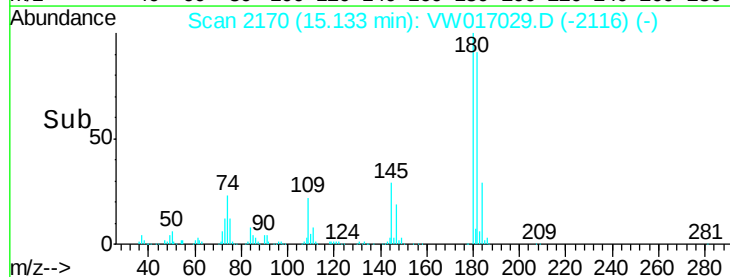
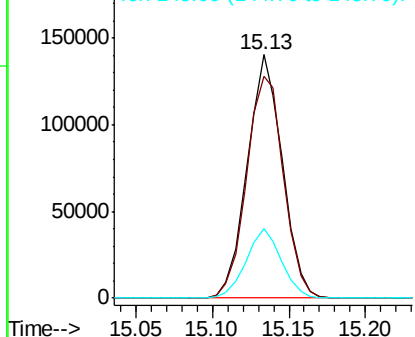


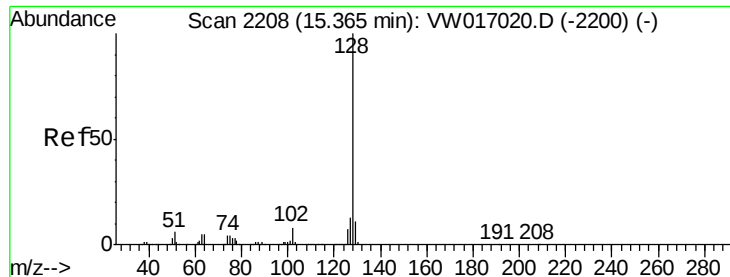
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.694 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

Instrument :

MSVOA_W

ClientSampleId :

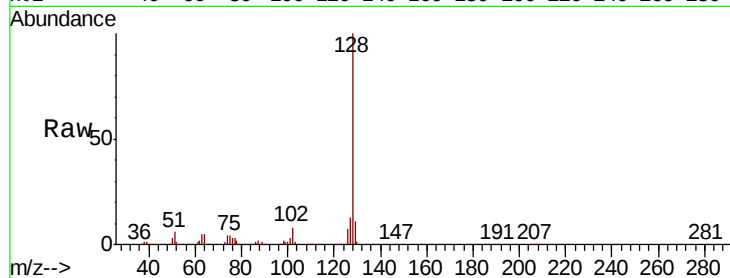
Tot Ion:128 Resp: 407982

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

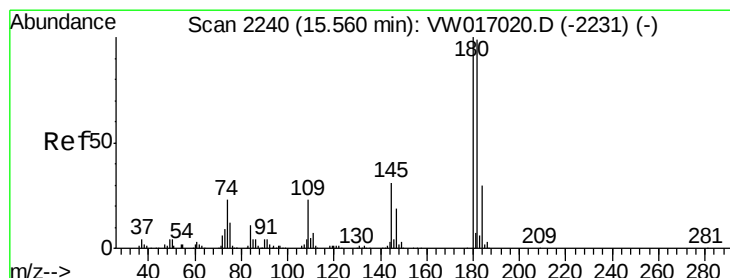
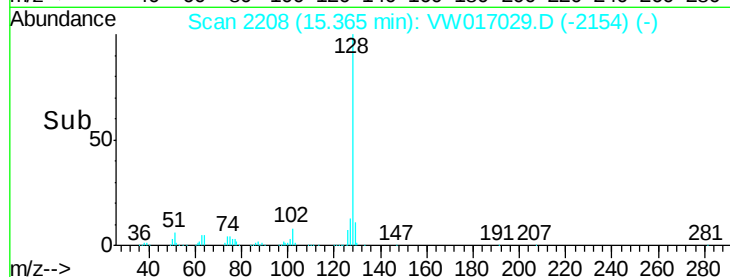
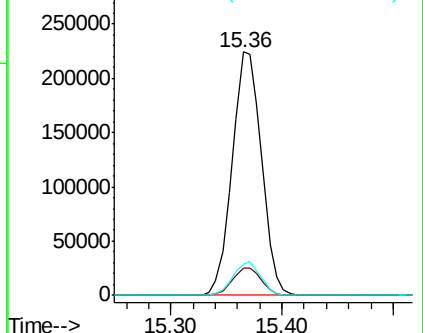
127 13.0 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.600 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017029.D

Acq: 29 Oct 2020 17:29

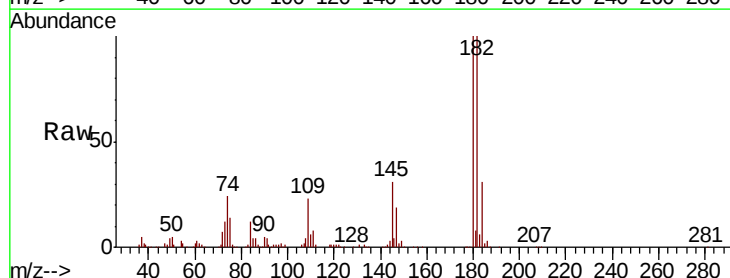
Tgt Ion:180 Resp: 197787

Ion Ratio Lower Upper

180 100

182 96.9 76.8 115.2

145 31.4 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

